

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113020\
 Data File : VN064866.D
 Acq On : 30 Nov 2020 12:32
 Operator : JC/MD
 Sample : VN1130MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1130MBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/1/2020 9:35:05 AM

Quant Time: Dec 01 01:50:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	202258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	111445	47.40	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.80%
35) Dibromofluoromethane	7.55	113	96453	51.38	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.76%
50) Toluene-d8	10.06	98	369512	48.18	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.36%
62) 4-Bromofluorobenzene	12.38	95	132514	48.28	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27408	15.636	ug/l	98
3) Chloromethane	2.04	50	35879	15.751	ug/l	98
4) Vinyl Chloride	2.17	62	38139	16.059	ug/l	100
5) Bromomethane	2.53	94	24596	15.786	ug/l	99
6) Chloroethane	2.67	64	24475	16.662	ug/l	99
7) Trichlorofluoromethane	2.99	101	56698	17.271	ug/l	99
8) Diethyl Ether	3.37	74	22716	17.530	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	34627	17.583	ug/l	98
10) Methyl Iodide	3.91	142	38303	14.995	ug/l	97
11) Tert butyl alcohol	4.75	59	29655	80.869	ug/l #	91
12) 1,1-Dichloroethene	3.69	96	33327	16.992	ug/l	97
13) Acrolein	3.57	56	16721	74.651	ug/l	100
14) Allyl chloride	4.27	41	55159	17.051	ug/l	98
15) Acrylonitrile	4.93	53	89489	88.338	ug/l	99
16) Acetone	3.78	43	67432	87.238	ug/l	95
17) Carbon Disulfide	4.00	76	84804	16.750	ug/l	99
18) Methyl Acetate	4.28	43	40422	17.393	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	112095	17.820	ug/l	99
20) Methylene Chloride	4.50	84	42107	17.384	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	35952	16.507	ug/l	98
22) Diisopropyl ether	5.91	45	120201	18.564	ug/l	98
23) Vinyl Acetate	5.85	43	467071	90.208	ug/l	99
24) 1,1-Dichloroethane	5.79	63	67850	17.534	ug/l	99
25) 2-Butanone	6.79	43	111279	88.809	ug/l	94
26) 2,2-Dichloropropane	6.78	77	55595	16.565	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	43622	17.799	ug/l	97
28) Bromochloromethane	7.15	49	33020	18.653	ug/l	100
29) Tetrahydrofuran	7.17	42	74607	86.256	ug/l	99
30) Chloroform	7.33	83	69647	17.453	ug/l	99
31) Cyclohexane	7.61	56	54367	16.589	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	58646	17.111	ug/l	100
36) 1,1-Dichloropropene	7.75	75	49735	17.104	ug/l	99
37) Ethyl Acetate	6.88	43	47906	17.103	ug/l	99
38) Carbon Tetrachloride	7.73	117	53794	17.780	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	53933	17.229	ug/l	100
40) Benzene	8.00	78	156909	17.609	ug/l	97
41) Methacrylonitrile	7.12	41	23577	18.242	ug/l	90
42) 1,2-Dichloroethane	8.08	62	53745	17.880	ug/l	100
43) Isopropyl Acetate	8.13	43	77361	17.164	ug/l	99
44) Trichloroethene	8.80	130	46800	17.801	ug/l	98
45) 1,2-Dichloropropane	9.08	63	42442	18.393	ug/l	98
46) Dibromomethane	9.17	93	27735	17.991	ug/l	99
47) Bromodichloromethane	9.37	83	55400	17.860	ug/l	96
48) Methyl methacrylate	9.16	41	37344	17.340	ug/l	96
49) 1,4-Dioxane	9.17	88	14172	348.163	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	241619	89.295	ug/l	100
52) Toluene	10.12	92	97008	17.678	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	61023	17.663	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	66552	17.972	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	40766	18.066	ug/l	98
56) Ethyl methacrylate	10.40	69	55073	17.686	ug/l	98
57) 1,3-Dichloropropane	10.68	76	68502	18.403	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	156857	91.576	ug/l	100
59) 2-Hexanone	10.72	43	171797	88.220	ug/l	99
60) Dibromochloromethane	10.87	129	44837	17.875	ug/l	99
61) 1,2-Dibromoethane	10.98	107	41049	17.905	ug/l	99
64) Tetrachloroethene	10.60	164	54517	19.683	ug/l	97
65) Chlorobenzene	11.41	112	109186	17.859	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	41618	18.523	ug/l	99
67) Ethyl Benzene	11.48	91	180532	17.676	ug/l	100
68) m/p-Xylenes	11.59	106	140396	36.308	ug/l	100
69) o-Xylene	11.92	106	67017	18.264	ug/l	100
70) Styrene	11.94	104	114746	18.524	ug/l	99
71) Bromoform	12.10	173	30805	17.166	ug/l #	100
73) Isopropylbenzene	12.22	105	177663	18.025	ug/l	99
74) N-amyl acetate	12.05	43	64891	16.729	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	48315	16.724	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	48646m	15.940	ug/l	
77) Bromobenzene	12.50	156	47218	17.769	ug/l	98
78) n-propylbenzene	12.57	91	201346	17.932	ug/l	99
79) 2-Chlorotoluene	12.65	91	121442	17.497	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	152659	18.633	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	17936	16.108	ug/l	95
82) 4-Chlorotoluene	12.75	91	127826	17.570	ug/l	99
83) tert-Butylbenzene	12.97	119	126899	18.479	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	152169	18.370	ug/l	99
85) sec-Butylbenzene	13.14	105	166834	18.298	ug/l	100
86) p-Isopropyltoluene	13.26	119	157202	18.938	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	82352	17.443	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	84866	16.997	ug/l	99
89) n-Butylbenzene	13.59	91	130597	17.915	ug/l	98
90) Hexachloroethane	13.85	117	25384	17.603	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	83784	18.074	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10220	15.722	ug/l	94

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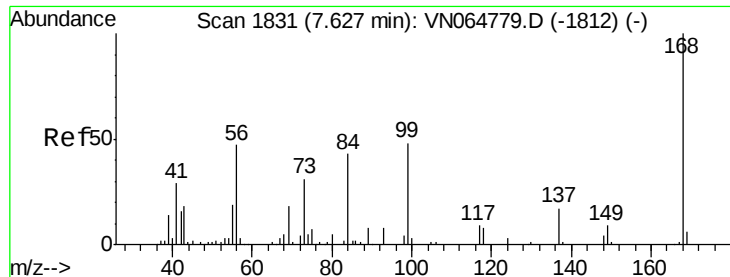
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	47555	16.583	ug/l	99
94) Hexachlorobutadiene	14.98	225	24042	18.851	ug/l	99
95) Naphthalene	15.10	128	132915	15.471	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	46559	18.001	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion:168 Resp: 202258

Ion Ratio Lower Upper

168 100

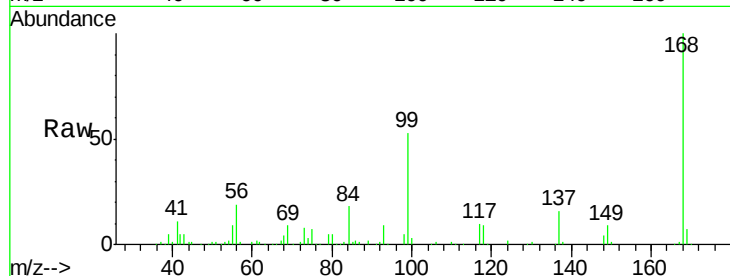
99 52.7 43.0 64.4

Manual Integrations

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12/1/2020 9:35:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

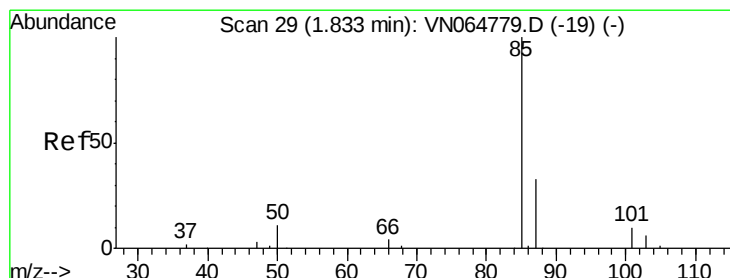
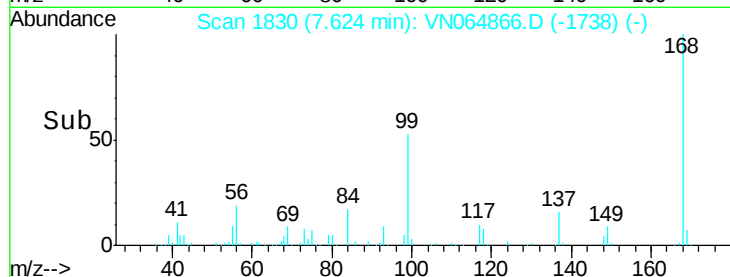
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.636 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064866.D

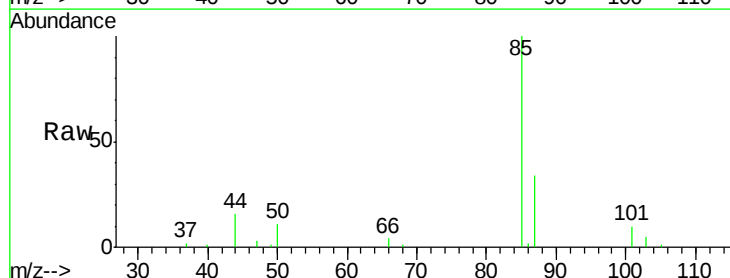
Acq: 30 Nov 2020 12:32

Tgt Ion: 85 Resp: 27408

Ion Ratio Lower Upper

85 100

87 34.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

20000

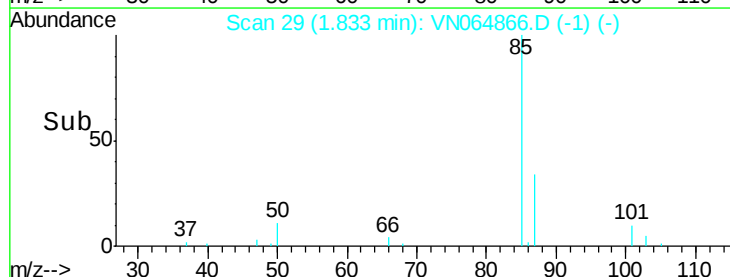
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 15.751 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion: 50 Resp: 35879

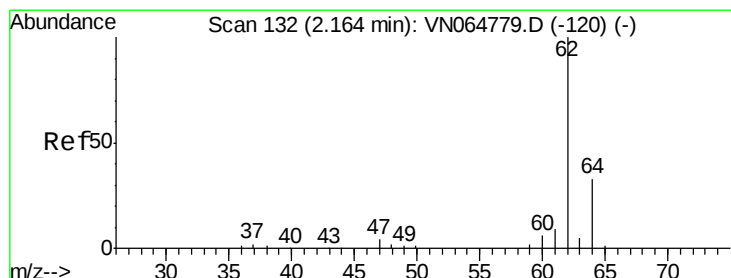
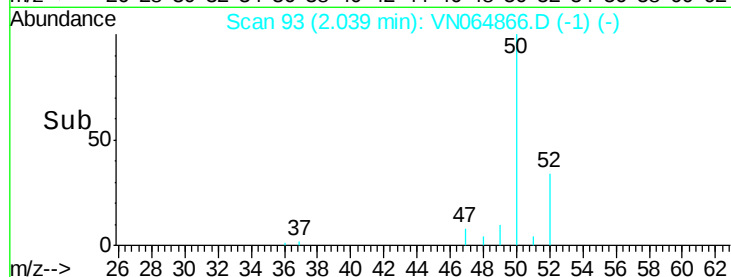
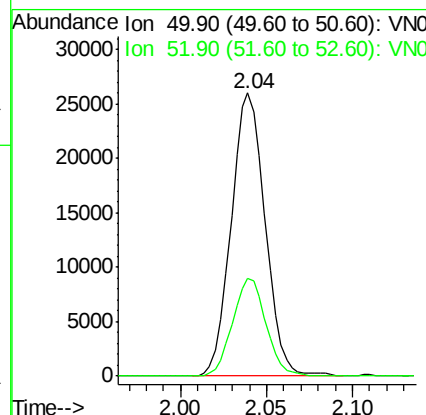
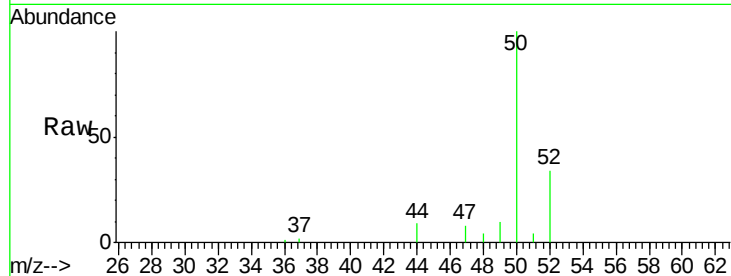
Ion Ratio Lower Upper

50 100

52 34.4 26.6 39.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.059 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064866.D

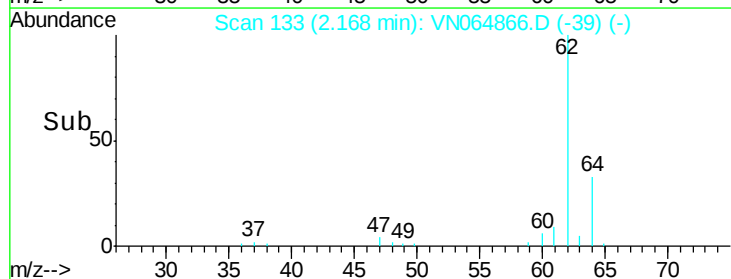
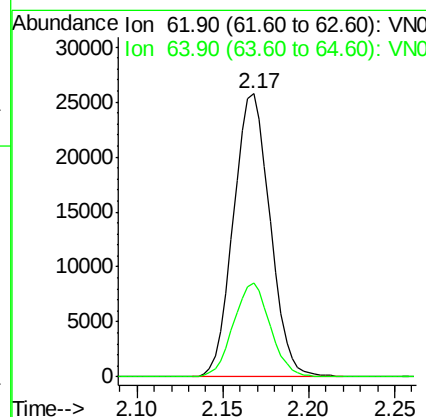
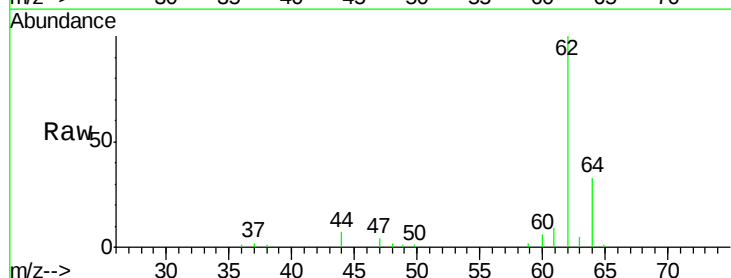
Acq: 30 Nov 2020 12:32

Tgt Ion: 62 Resp: 38139

Ion Ratio Lower Upper

62 100

64 33.1 26.5 39.7





#5

Bromomethane

Concen: 15.786 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion: 94 Resp: 24596

Ion Ratio Lower Upper

94 100

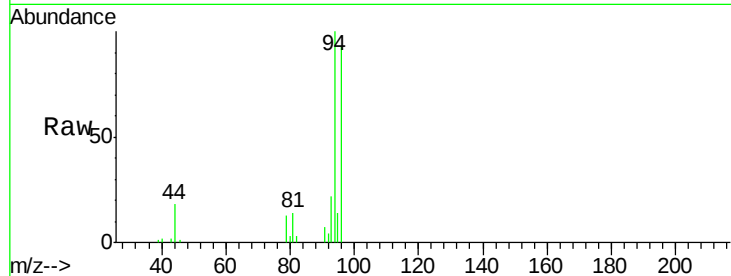
96 92.8 75.4 113.0

Manual Integrations

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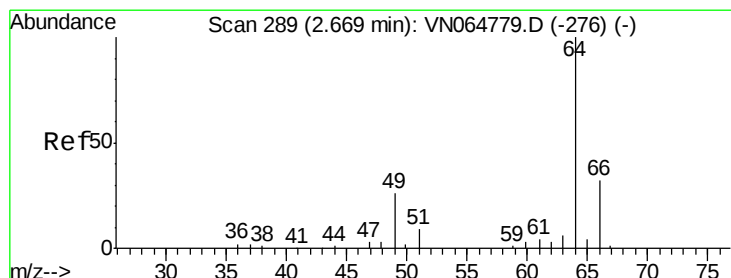
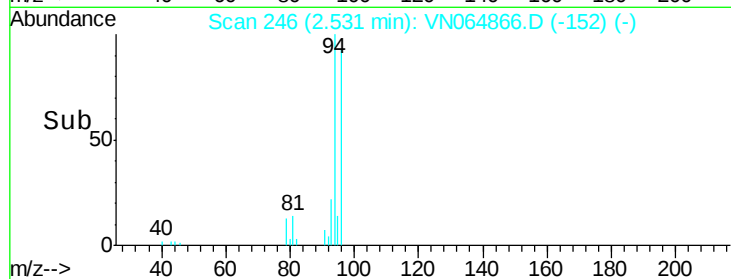
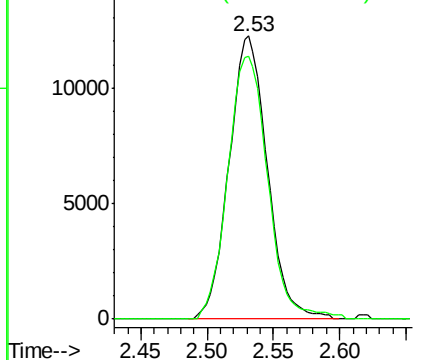
MMDadoda

12/1/2020 9:35:05 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.662 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064866.D

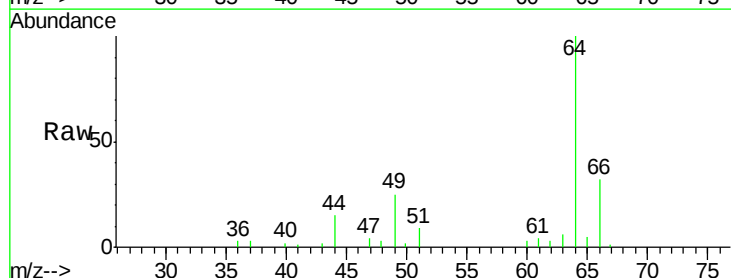
Acq: 30 Nov 2020 12:32

Tgt Ion: 64 Resp: 24475

Ion Ratio Lower Upper

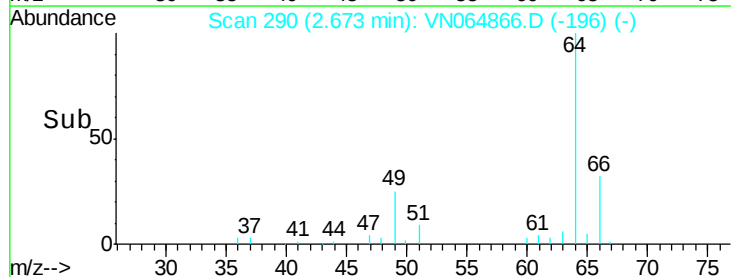
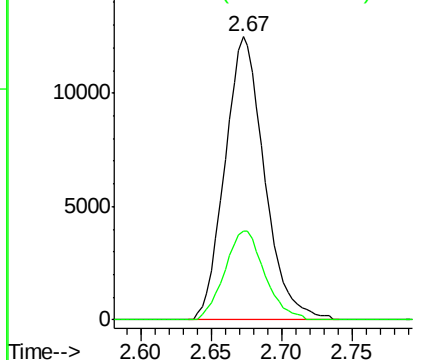
64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

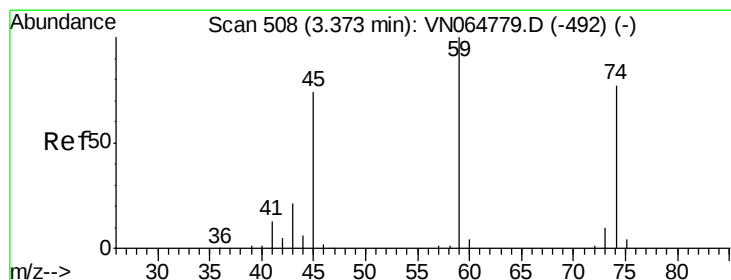
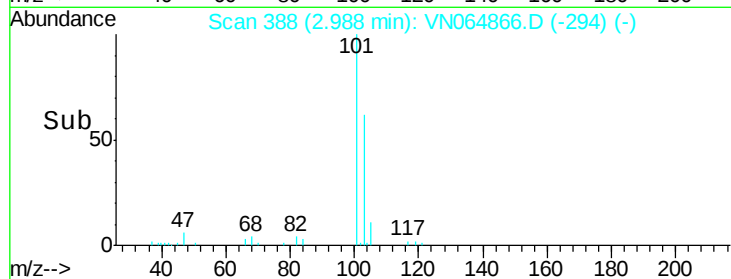
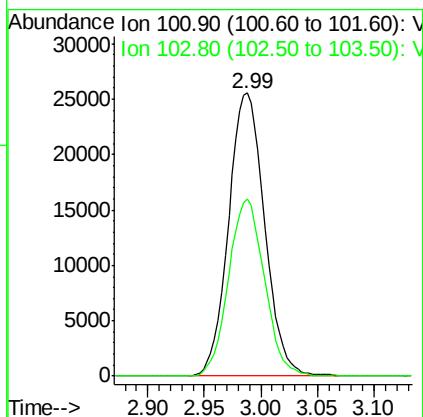
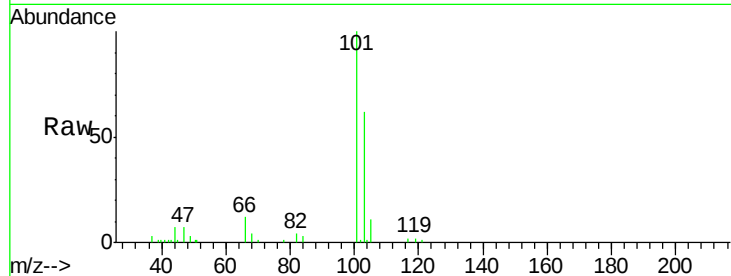
Trichlorofluoromethane
Concen: 17.271 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.5	75.7

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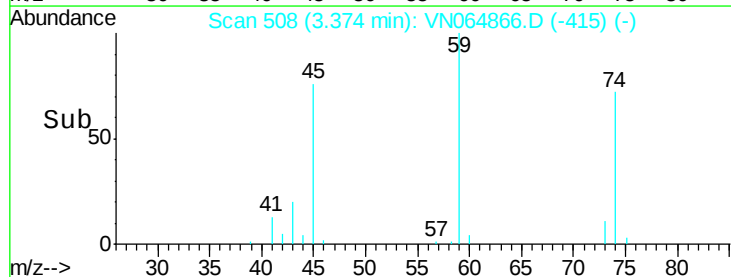
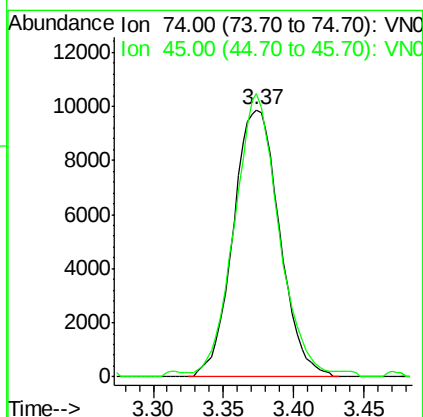
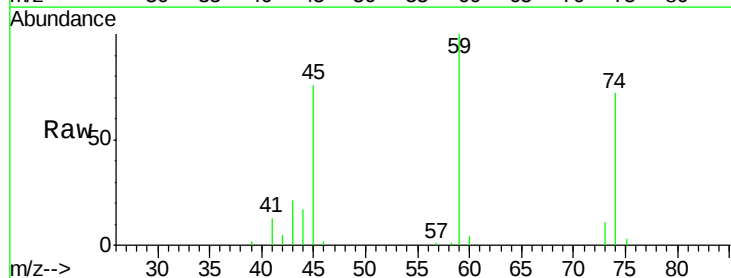
MMDadoda
12/1/2020 9:35:05 AM

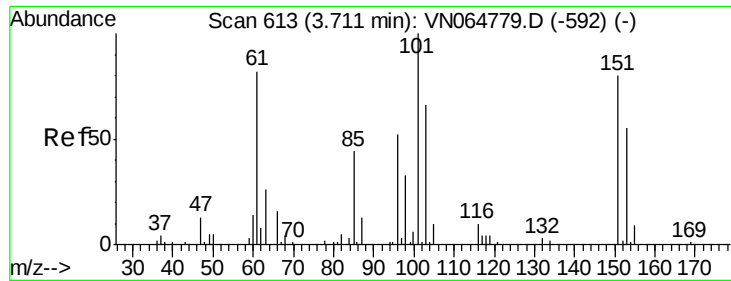


#8

Diethyl Ether
Concen: 17.530 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.583 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

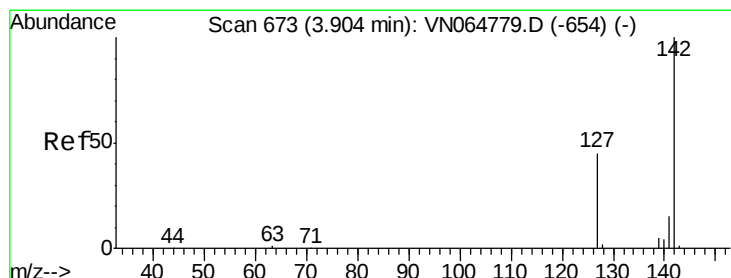
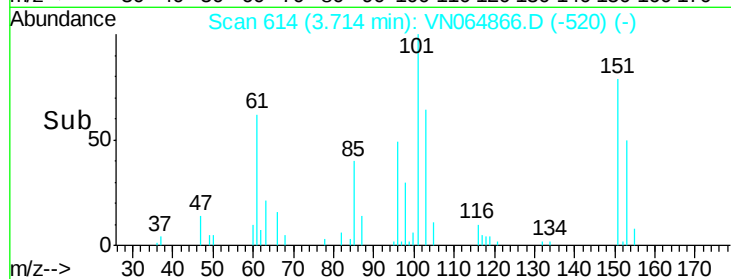
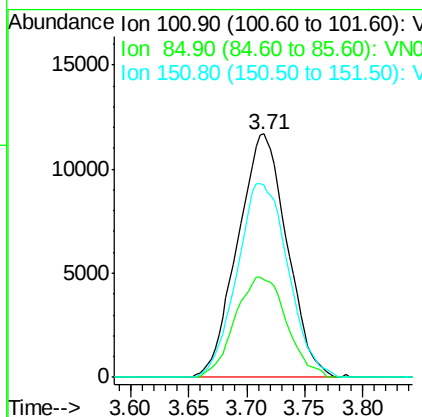
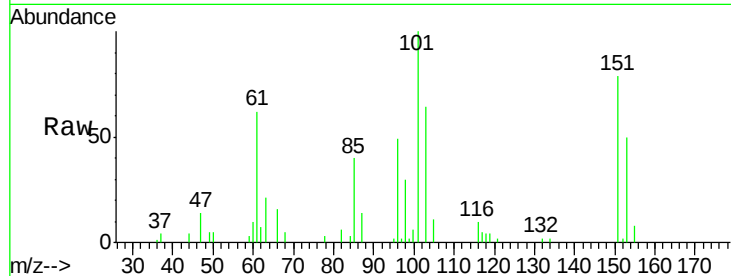
ClientSampleId :

VN1130MBSD01

Tot Ion:	101	Resp:	34627
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	82.4	64.0	96.0

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12/1/2020 9:35:05 AM



#10

Methyl Iodide

Concen: 14.995 ug/l

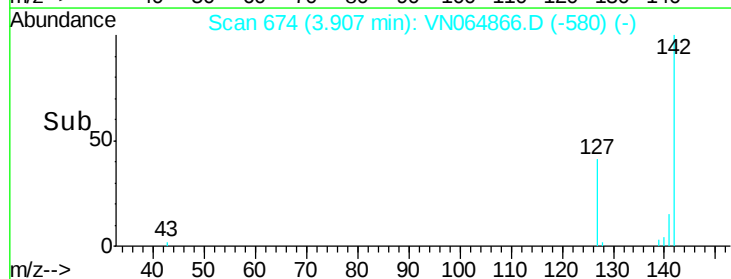
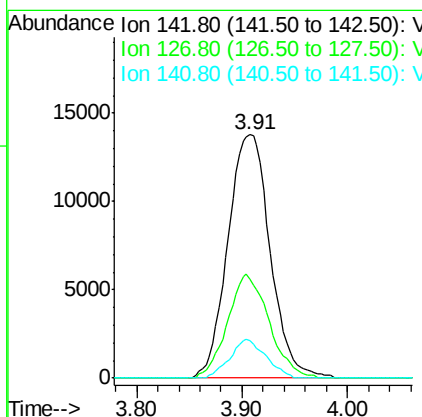
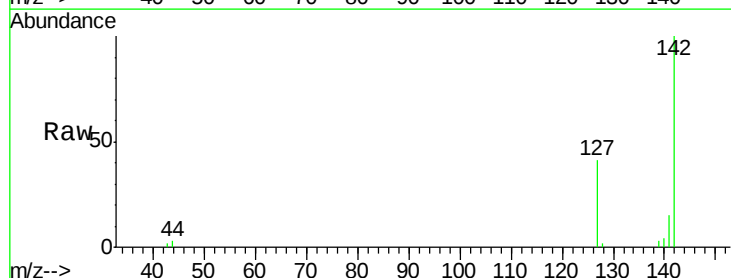
RT: 3.91 min Scan# 674

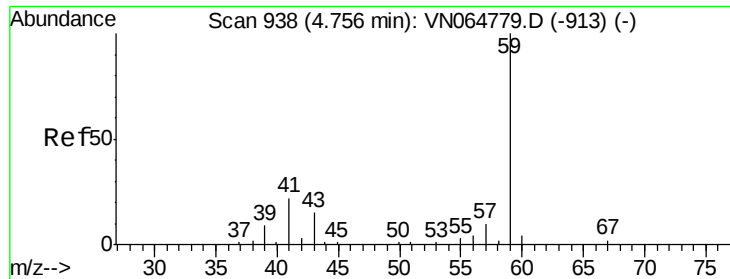
Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion:	142	Resp:	38303
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.0	52.6
141	13.6	11.8	17.6





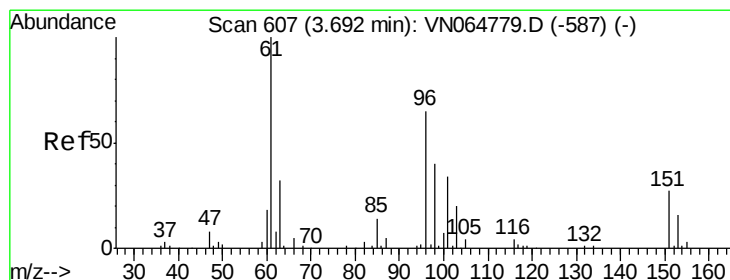
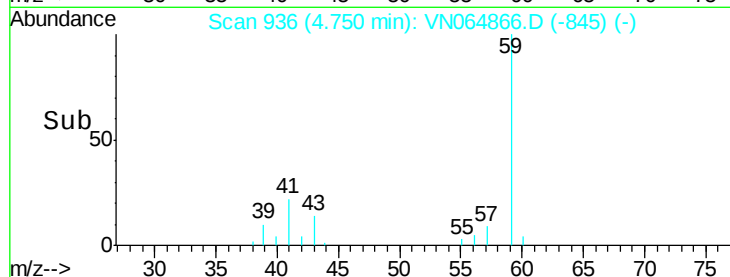
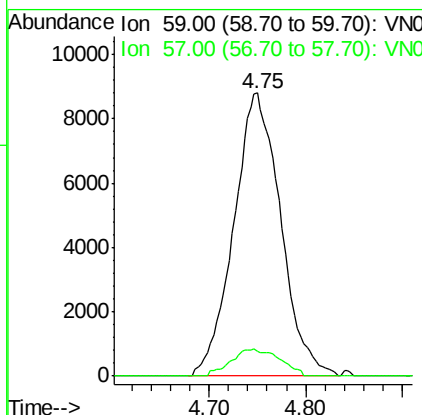
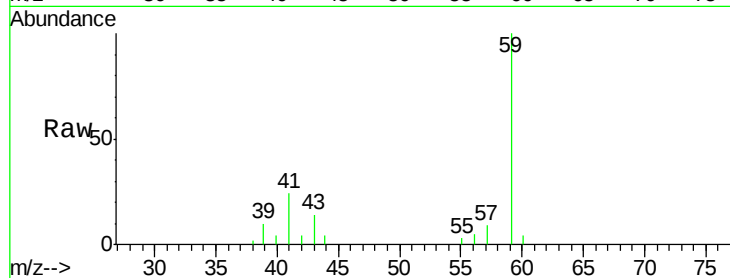
#11
Tert butyl alcohol
Concen: 80.869 ug/l
RT: 4.75 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion: 59 Resp: 29655
Ion Ratio Lower Upper
59 100
57 6.4 7.9 11.9#

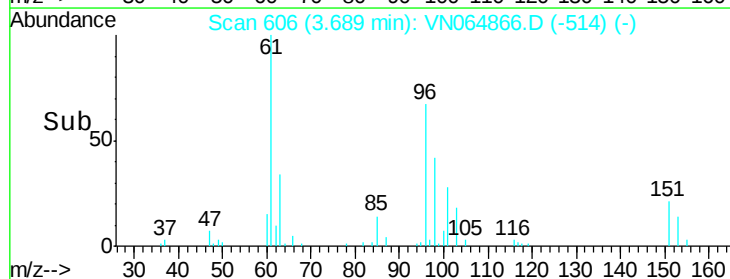
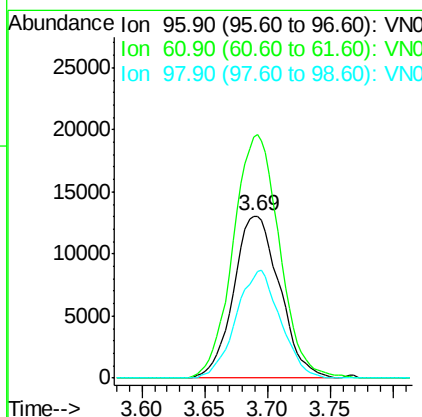
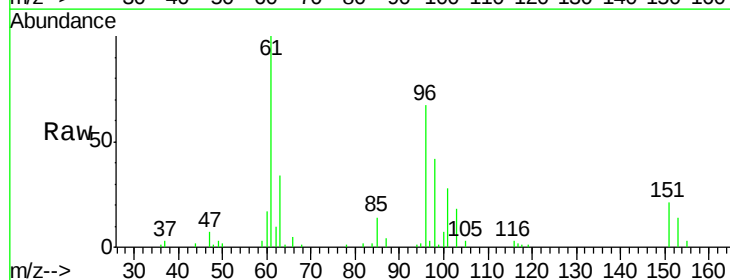
Manual Integrations
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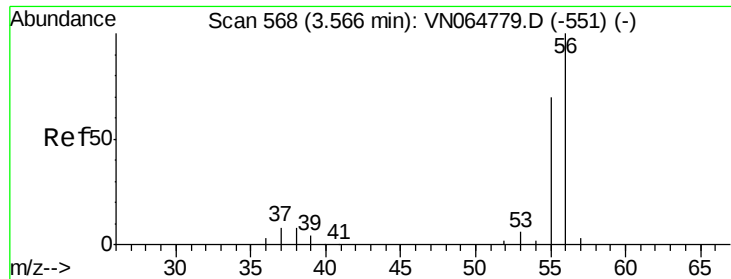
MMDadoda
12/1/2020 9:35:05 AM



#12
1,1-Dichloroethene
Concen: 16.992 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion: 96 Resp: 33327
Ion Ratio Lower Upper
96 100
61 149.0 123.4 185.2
98 61.9 49.8 74.8





#13

Acrolein

Concen: 74.651 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion: 56 Resp: 16721

Ion Ratio Lower Upper

56 100

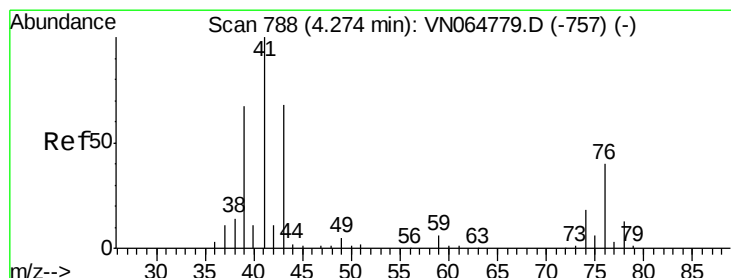
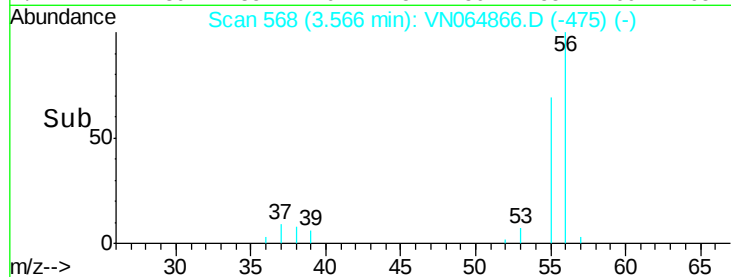
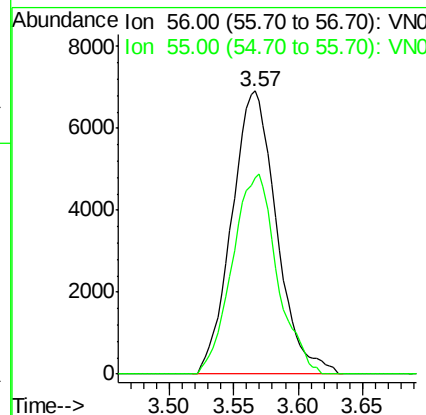
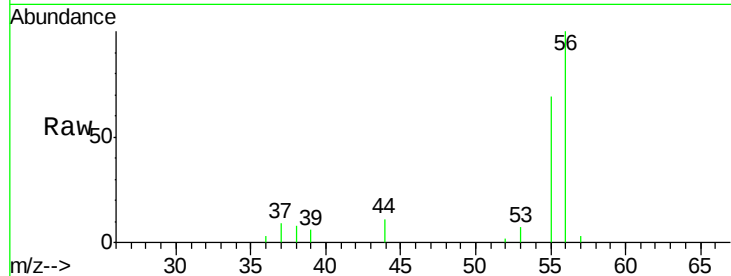
55 70.7 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 17.051 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

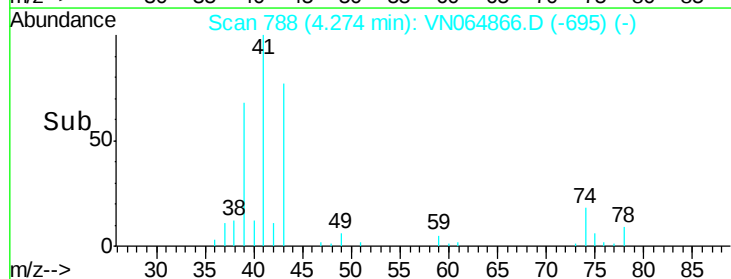
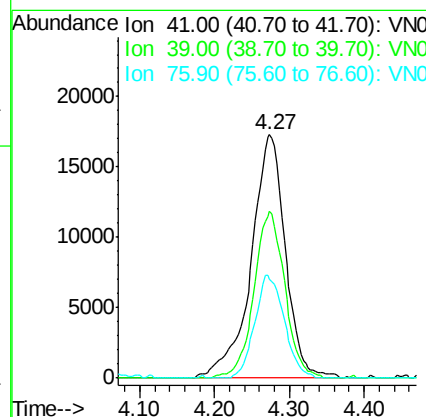
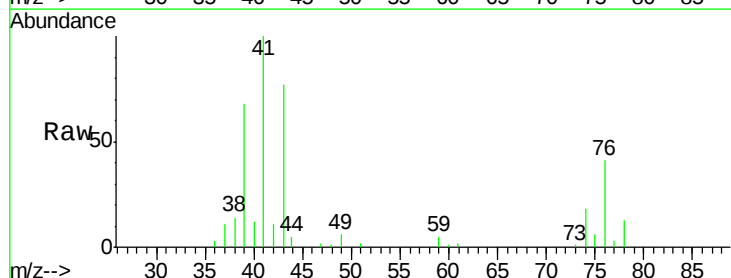
Tgt Ion: 41 Resp: 55159

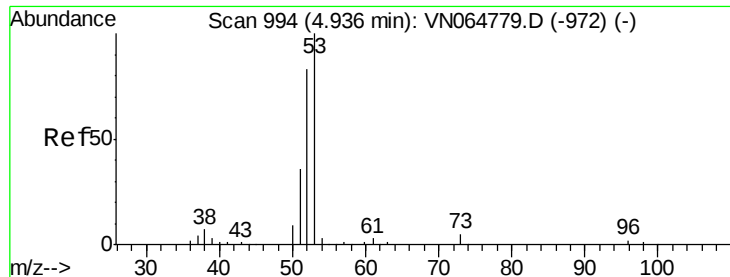
Ion Ratio Lower Upper

41 100

39 61.7 50.9 76.3

76 36.4 29.0 43.4





#15

Acrylonitrile

Concen: 88.338 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

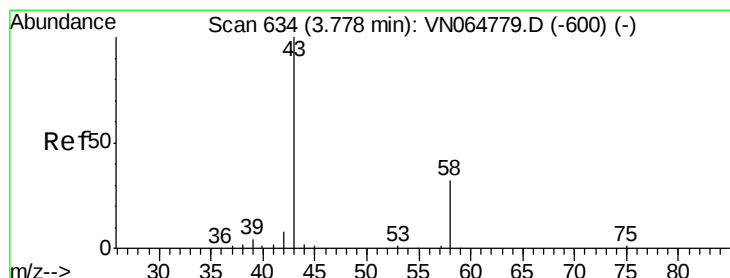
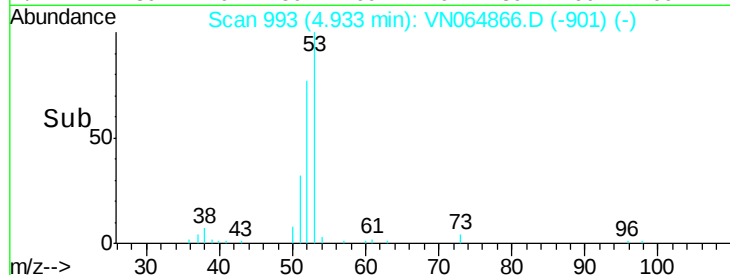
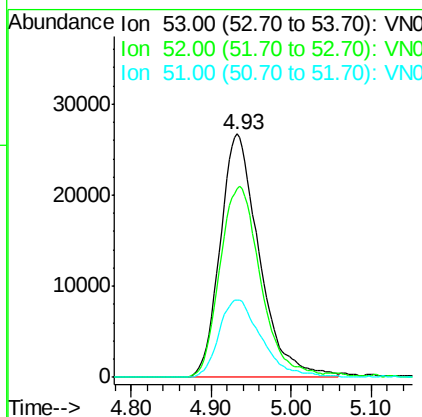
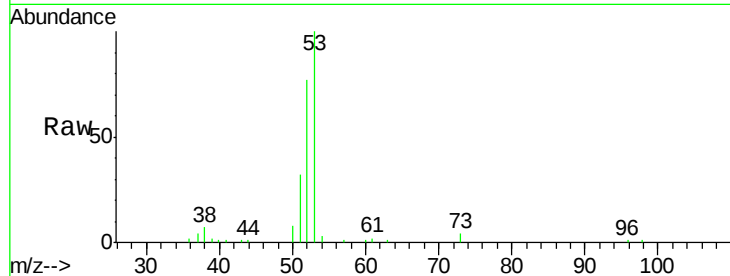
ClientSampleId :

VN1130MBSD01

Tot Ion:	53	Resp:	89489
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.5	98.3
51	34.6	28.6	43.0

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#16

Acetone

Concen: 87.238 ug/l

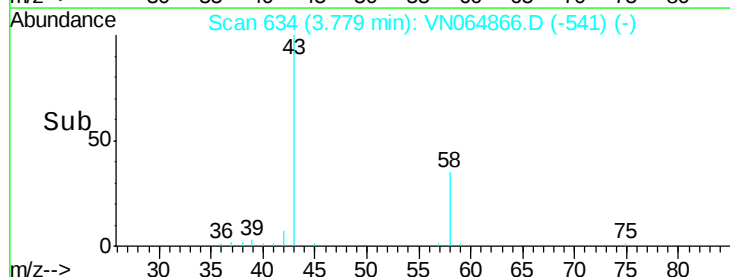
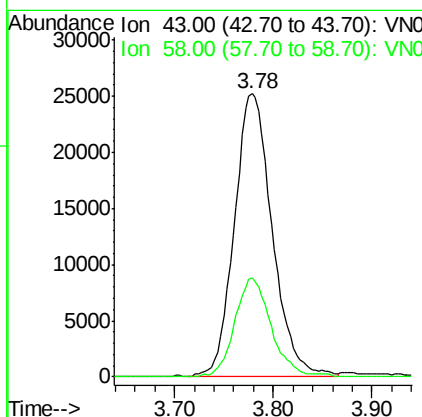
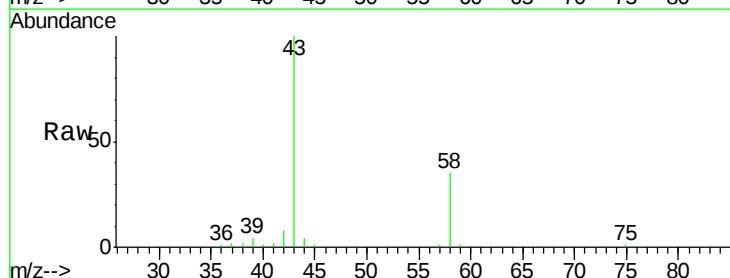
RT: 3.78 min Scan# 634

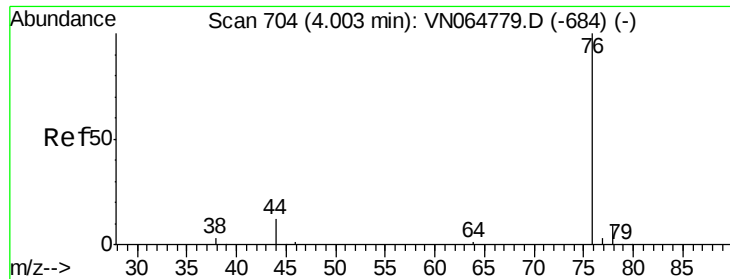
Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion:	43	Resp:	67432
Ion	Ratio	Lower	Upper
43	100		
58	35.0	25.7	38.5





#17

Carbon Disulfide

Concen: 16.750 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampled :

VN1130MBSD01

Tot Ion: 76 Resp: 84804

Ion Ratio Lower Upper

76 100

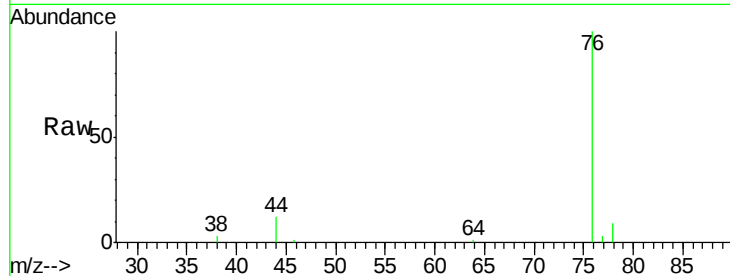
78 9.0 7.4 11.0

Manual Integrations

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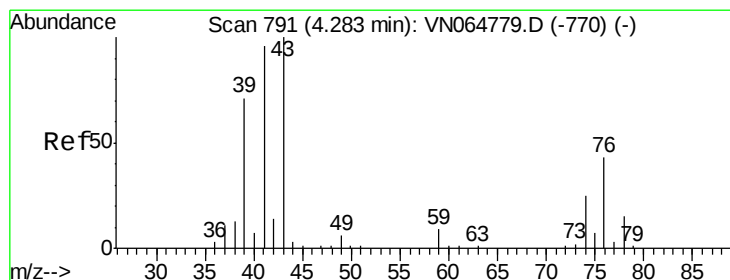
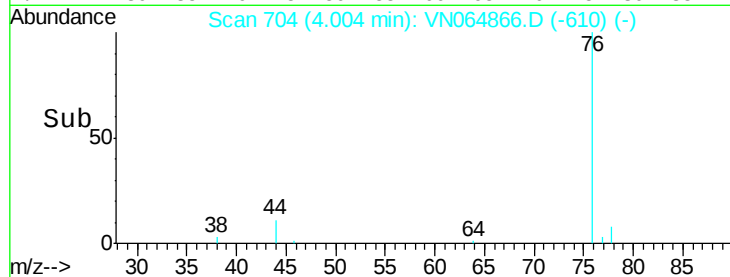
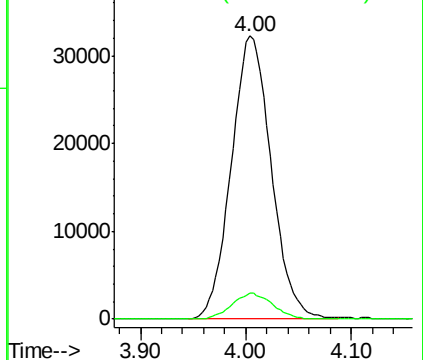
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 17.393 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064866.D

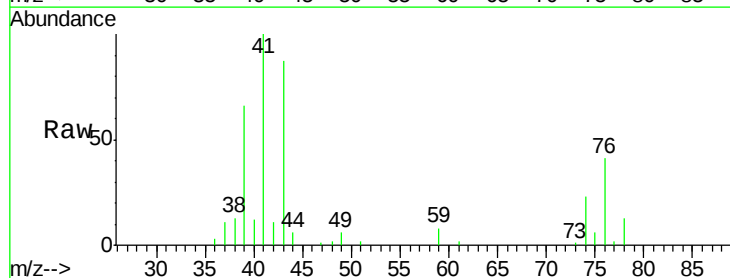
Acq: 30 Nov 2020 12:32

Tgt Ion: 43 Resp: 40422

Ion Ratio Lower Upper

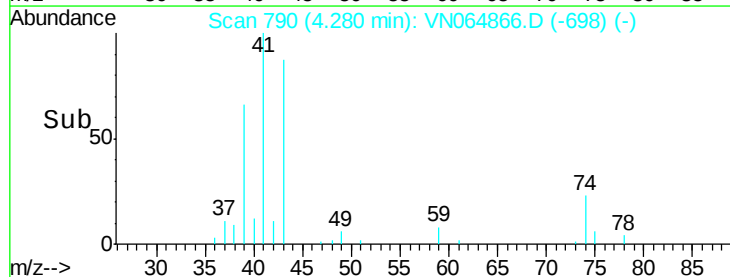
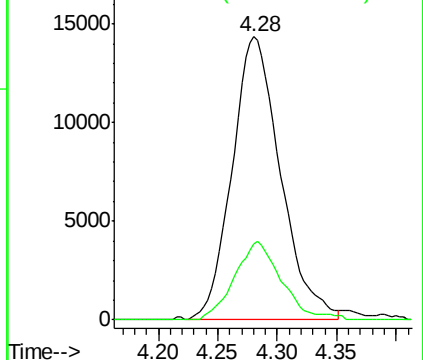
43 100

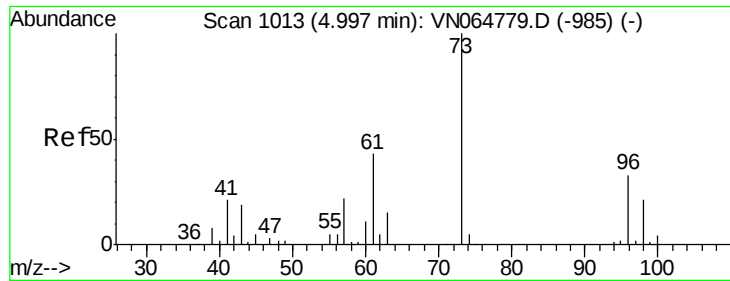
74 26.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

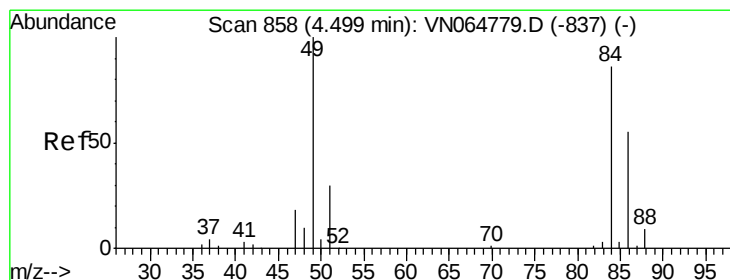
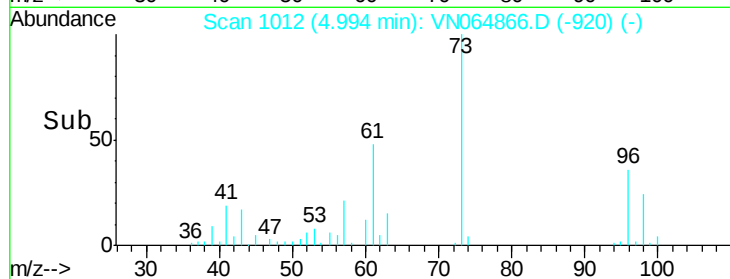
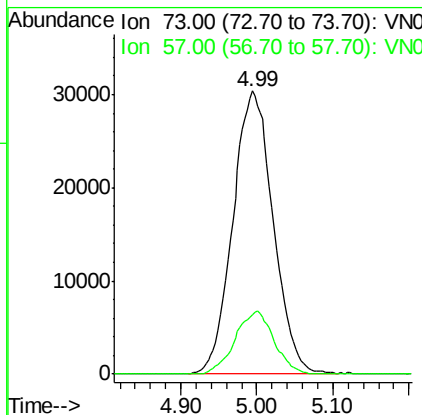
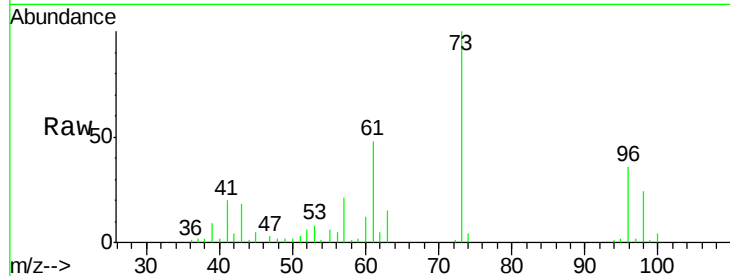
Methyl tert-butyl Ether
 Concen: 17.820 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.0

Manual Integrations
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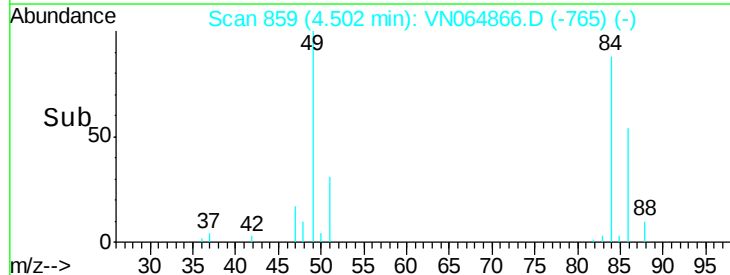
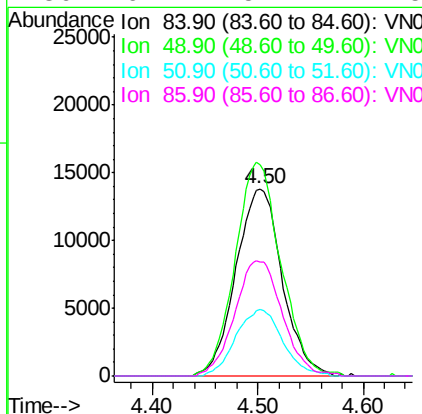
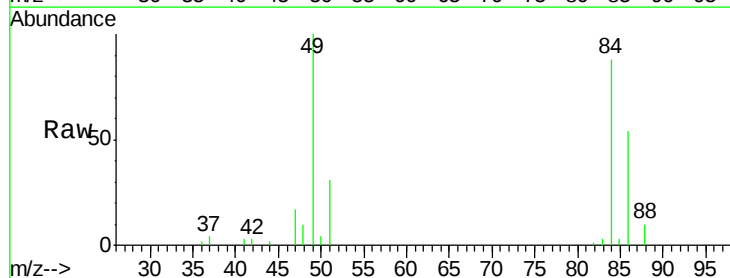
MMDadoda
 12/1/2020 9:35:05 AM

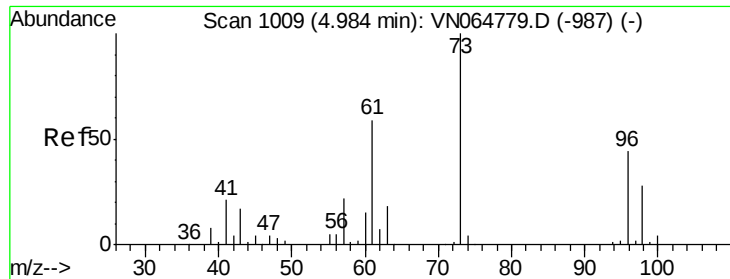


#20

Methylene Chloride
 Concen: 17.384 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	93.4	140.0
51	35.5	28.2	42.4
86	61.1	51.7	77.5





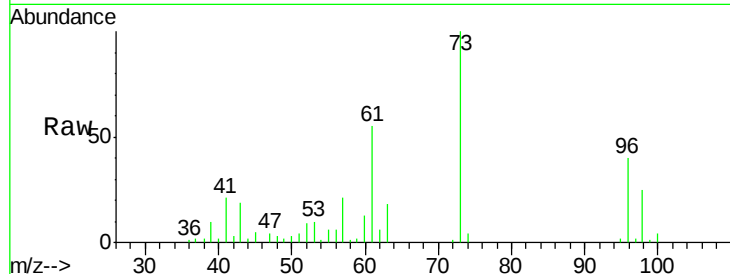
#21
trans-1,2-Dichloroethene
Concen: 16.507 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	108.4	162.6
98	62.7	51.3	76.9

Manual Integrations
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MMDadoda
12/1/2020 9:35:05 AM

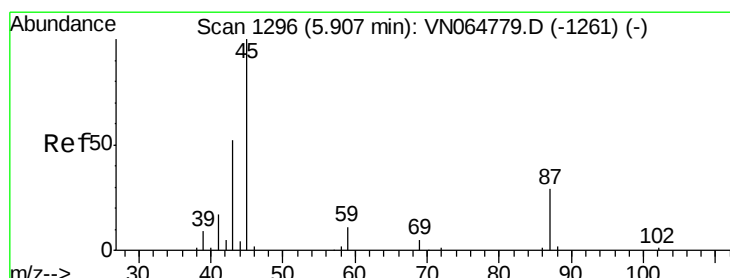
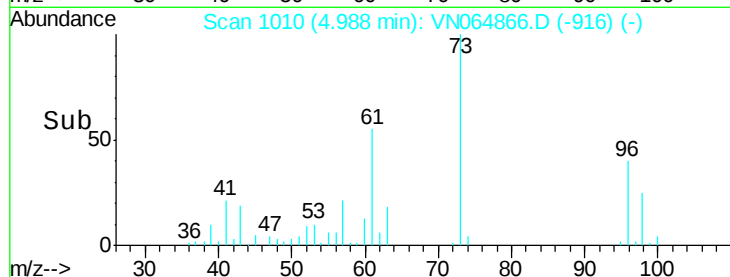
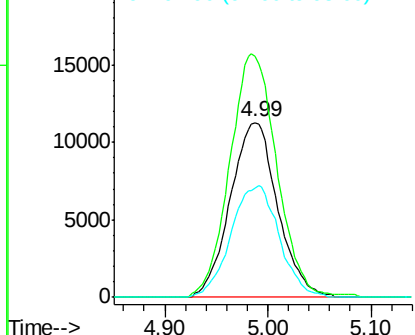


Abundance

Ion 95.90 (95.60 to 96.60): VN064866.D (-1009) (-)

Ion 60.90 (60.60 to 61.60): VN064866.D (-1009) (-)

Ion 97.90 (97.60 to 98.60): VN064866.D (-1009) (-)



#22
Diisopropyl ether
Concen: 18.564 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	46.2	69.2
87	29.6	24.1	36.1
59	12.2	9.0	13.4

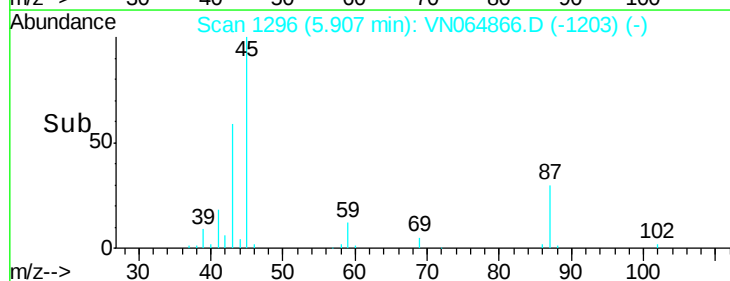
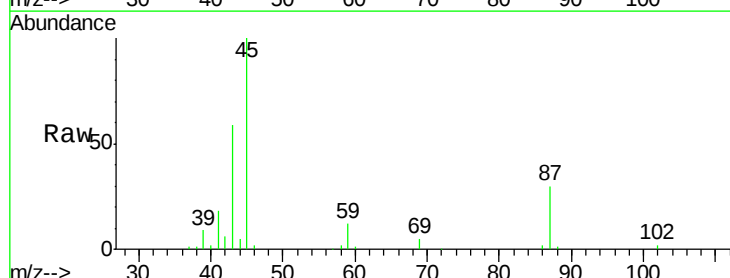
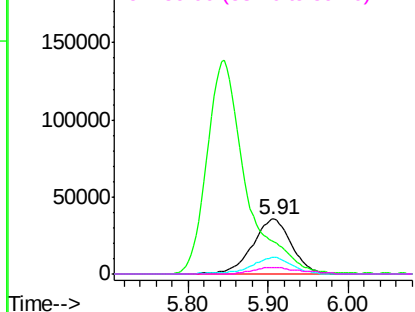
Abundance

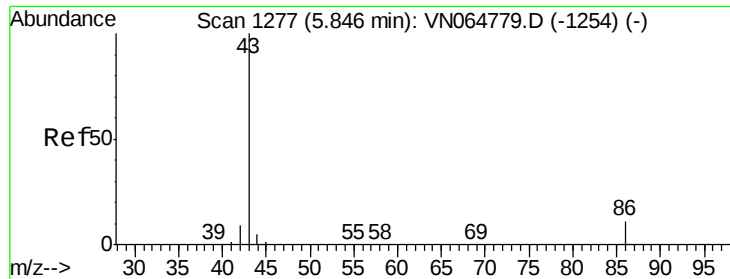
Ion 45.00 (44.70 to 45.70): VN064866.D (-1296) (-)

Ion 43.00 (42.70 to 43.70): VN064866.D (-1296) (-)

Ion 87.00 (86.70 to 87.70): VN064866.D (-1296) (-)

Ion 59.00 (58.70 to 59.70): VN064866.D (-1296) (-)





#23

Vinyl Acetate

Concen: 90.208 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 43 Resp: 467071

Ion Ratio Lower Upper

43 100

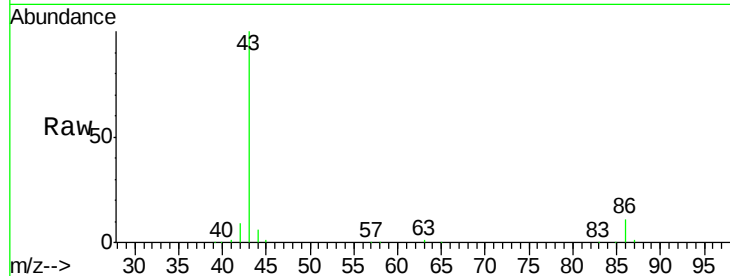
86 10.7 8.9 13.3

Manual Integrations

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12/1/2020 9:35:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

150000

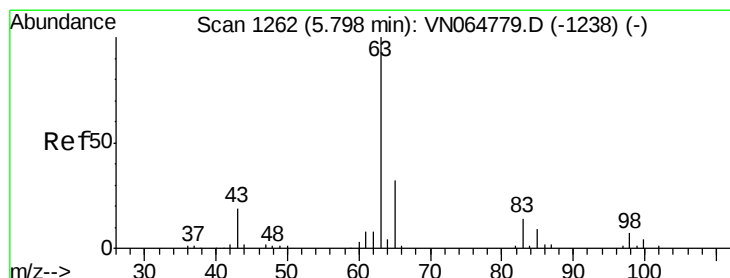
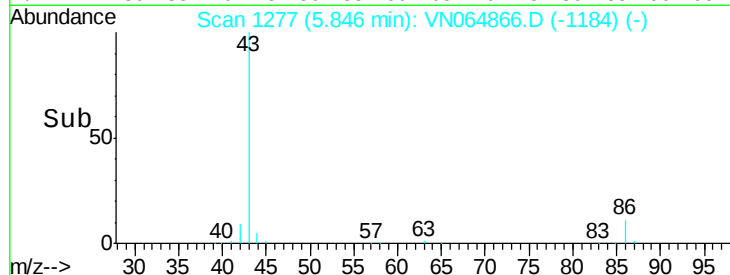
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 17.534 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

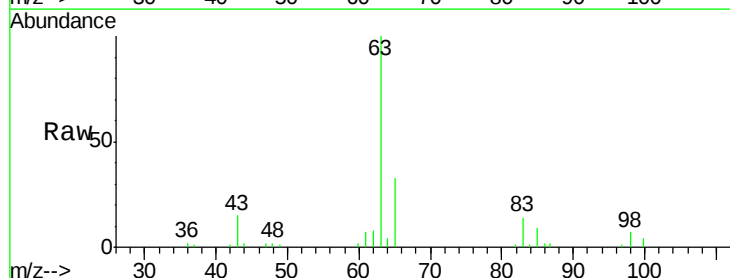
Tgt Ion: 63 Resp: 67850

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

25000

20000

15000

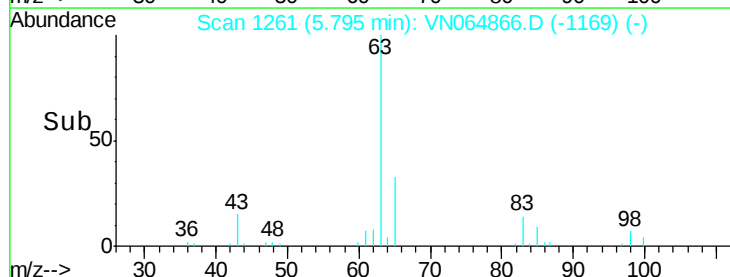
10000

5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 88.809 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion: 43 Resp: 111279

Ion Ratio Lower Upper

43 100

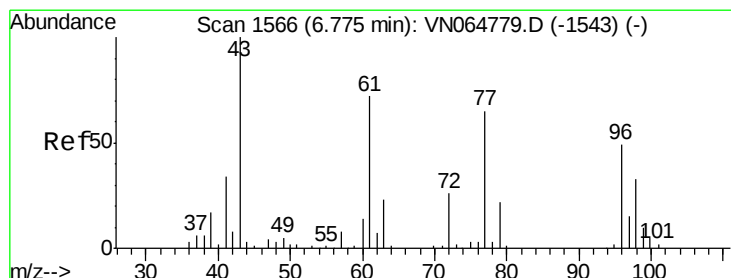
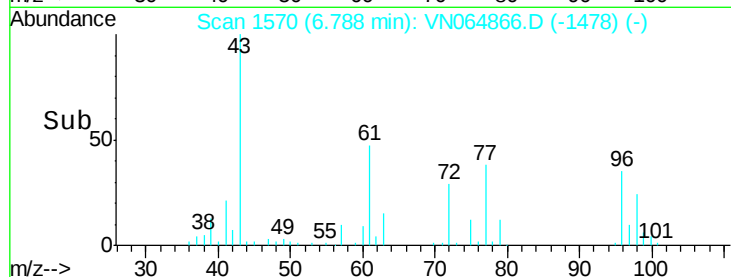
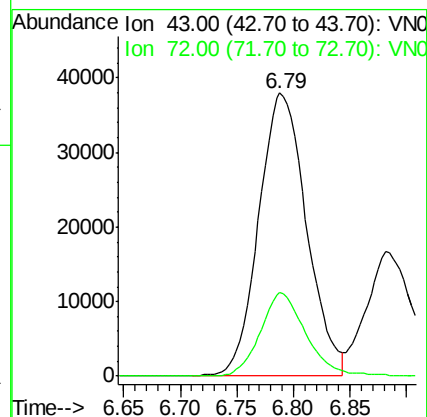
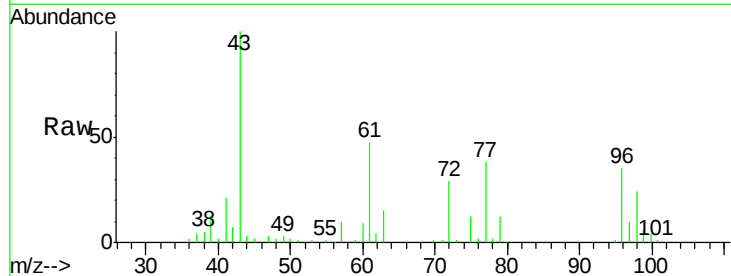
72 29.4 21.0 31.6

Manual Integrations

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MMDadoda

12/1/2020 9:35:05 AM



#26

2,2-Dichloropropane

Concen: 16.565 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064866.D

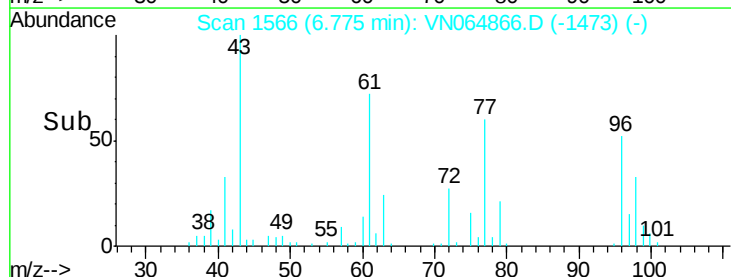
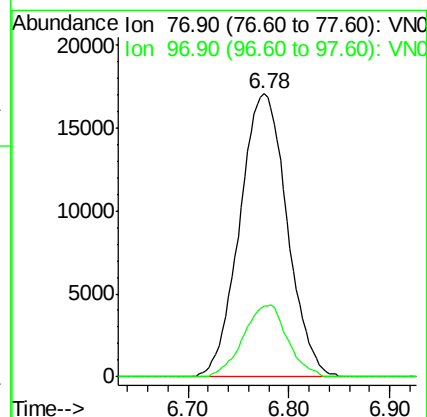
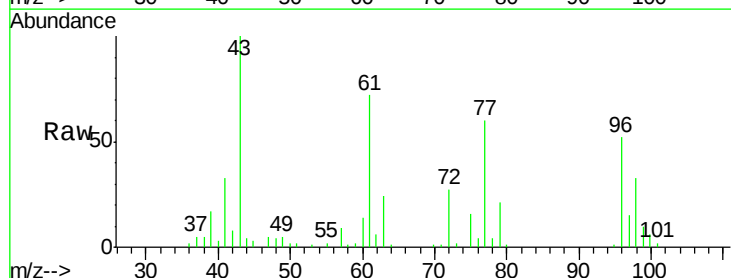
Acq: 30 Nov 2020 12:32

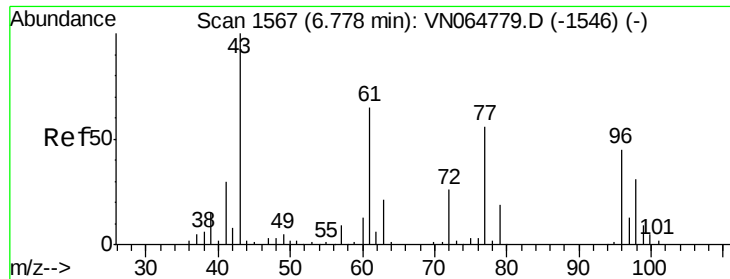
Tgt Ion: 77 Resp: 55595

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.799 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

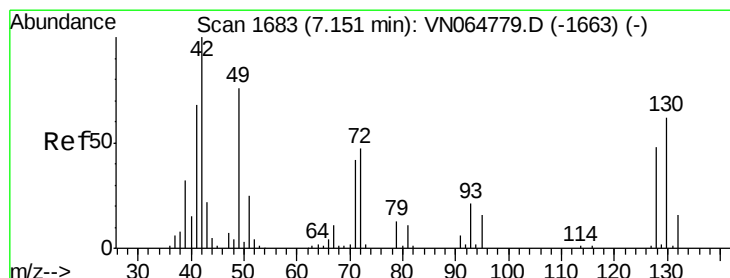
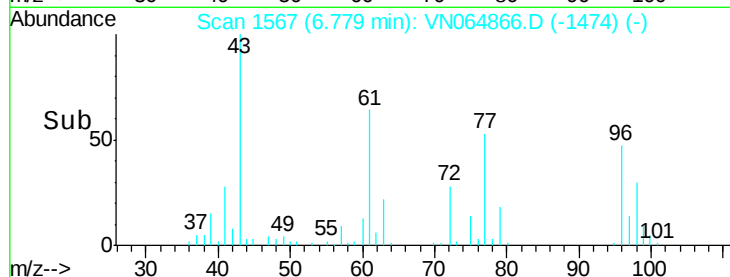
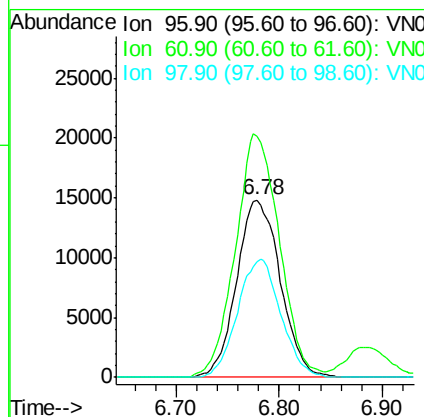
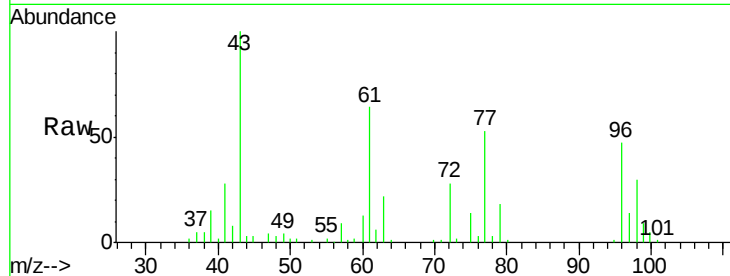
ClientSampleId :

VN1130MBSD01

Tot Ion:	96	Resp:	43622
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	285.8
98	65.8	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.653 ug/l

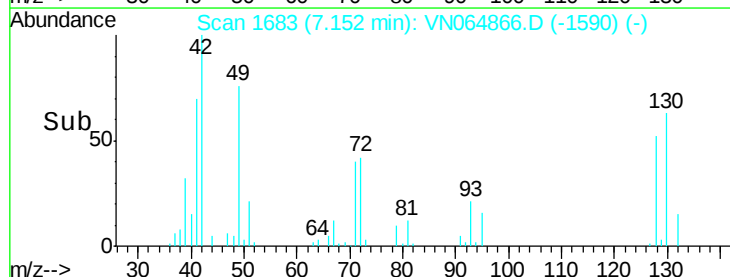
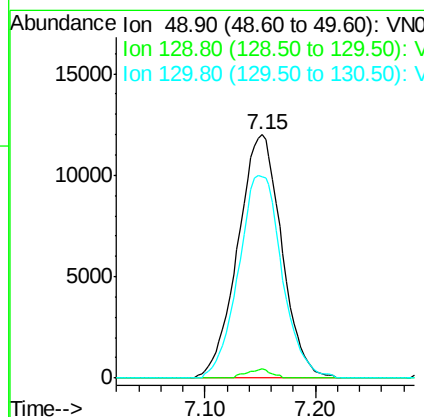
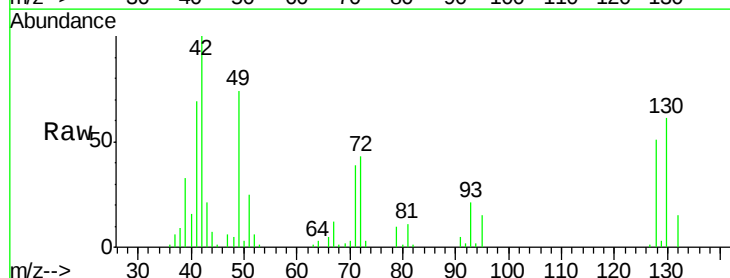
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion:	49	Resp:	33020
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.6	66.2	99.2





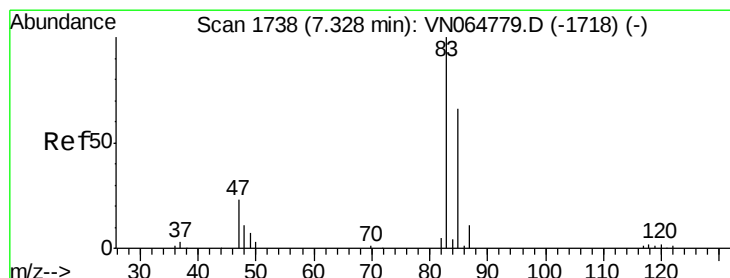
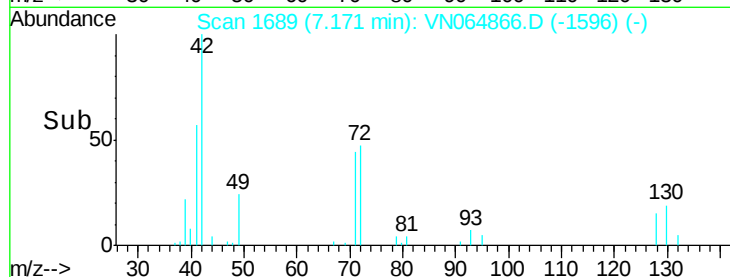
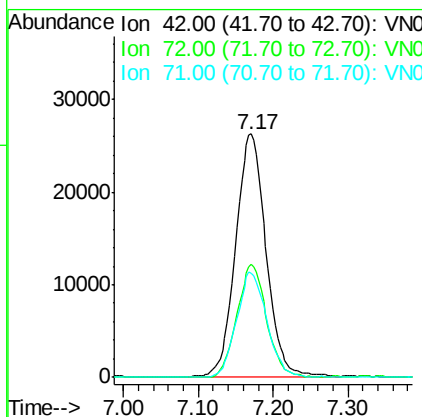
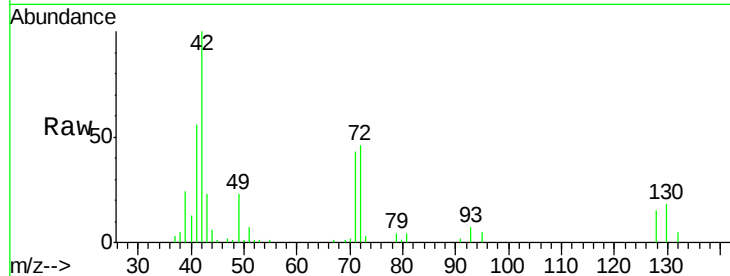
#29
Tetrahydrofuran
Concen: 86.256 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.6	54.8
71	42.6	33.6	50.4

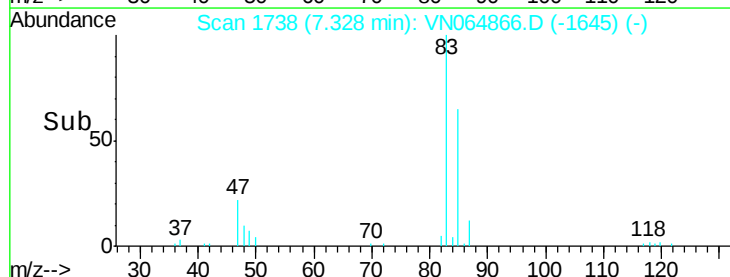
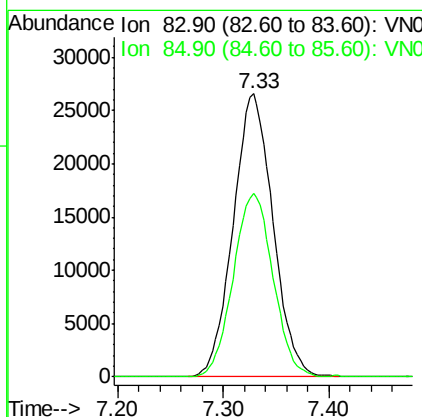
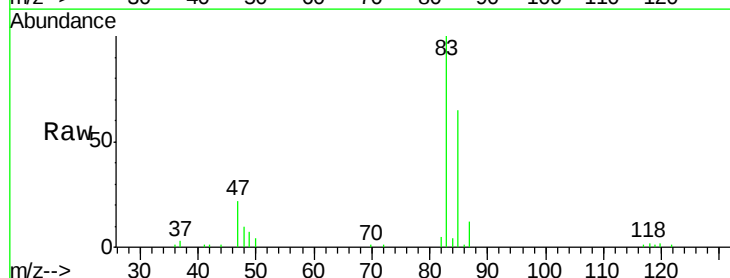
Manual Integrations
APPROVED

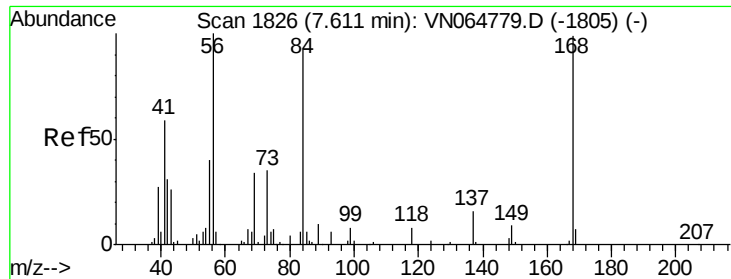
MMDadoda
12/1/2020 9:35:05 AM



#30
Chloroform
Concen: 17.453 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





#31

Cyclohexane

Concen: 16.589 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

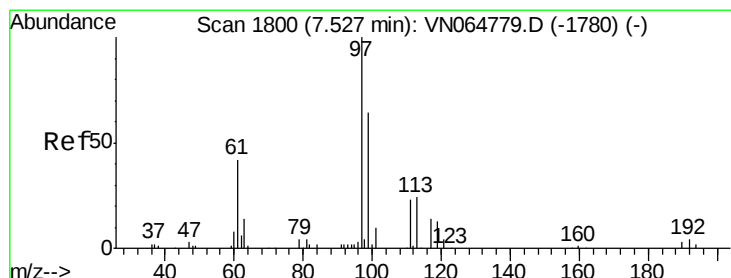
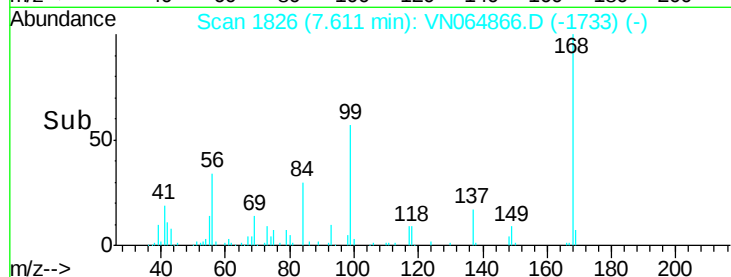
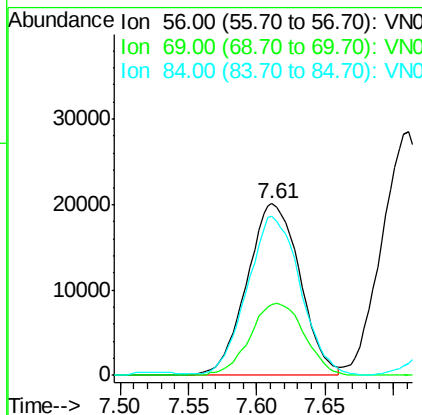
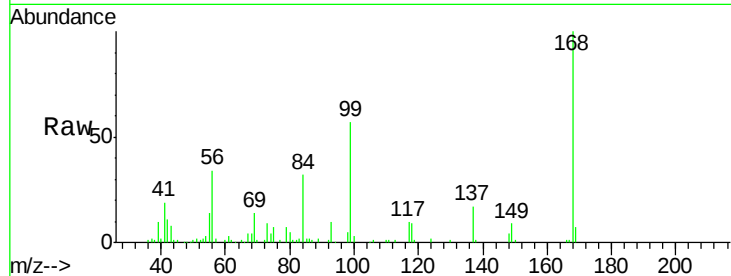
ClientSampleId :

VN1130MBSD01

Tot Ion:	56	Resp:	54367
Ion	Ratio	Lower	Upper
56	100		
69	41.2	27.5	41.3
84	91.6	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.111 ug/l

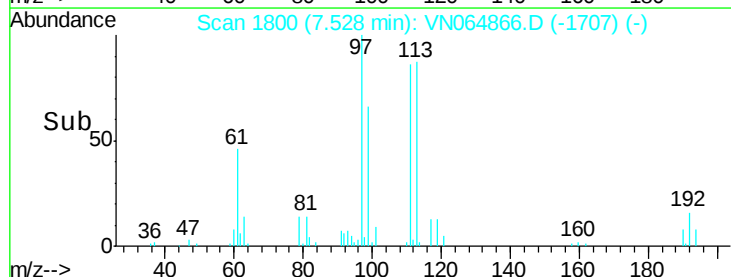
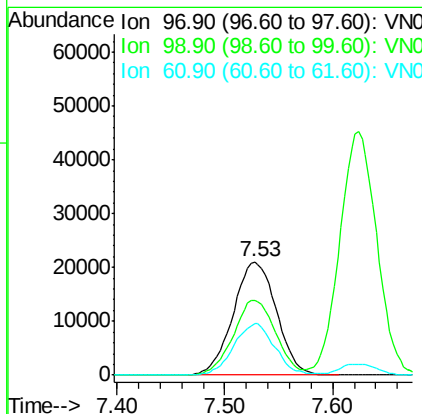
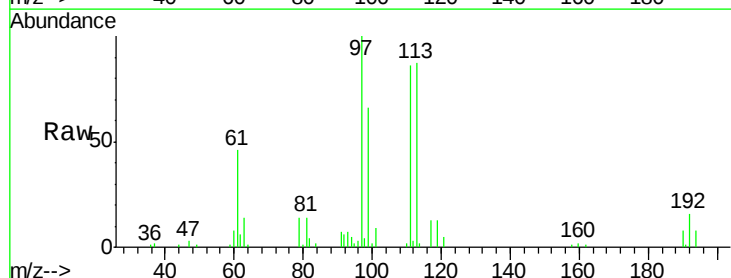
RT: 7.53 min Scan# 1800

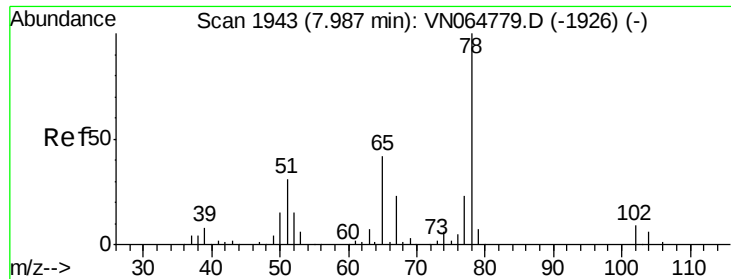
Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion:	97	Resp:	58646
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	43.0	33.9	50.9





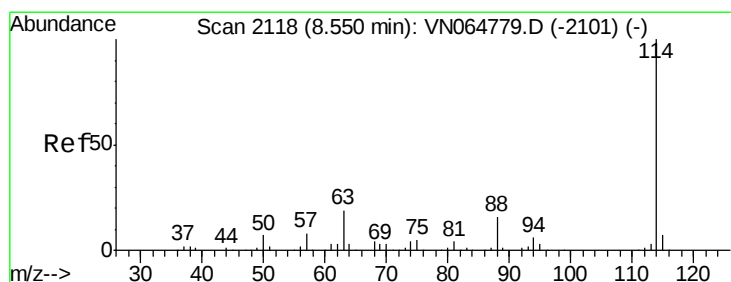
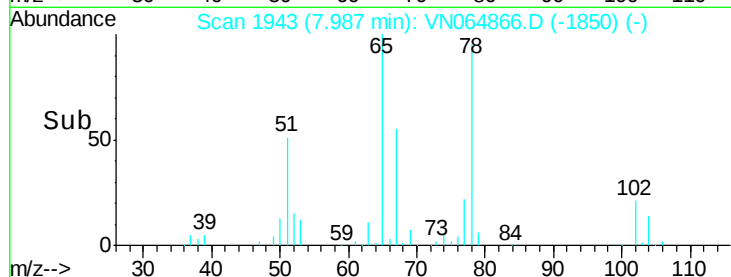
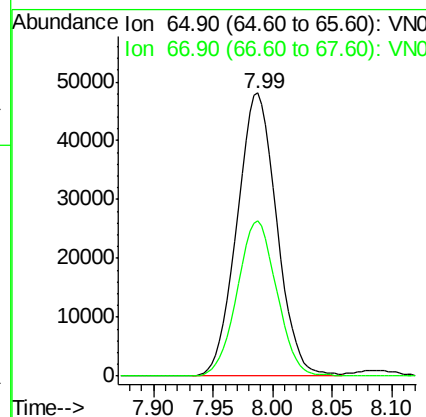
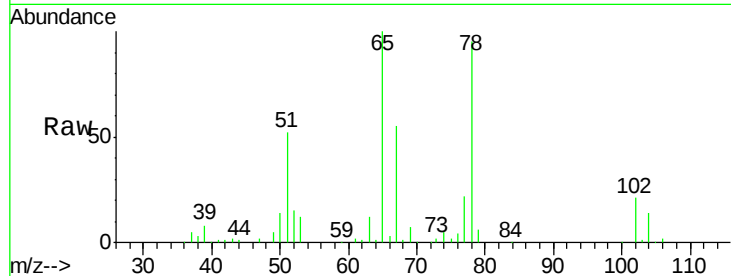
#33
 1,2-Dichloroethane-d4
 Concen: 47.396 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	108.2	

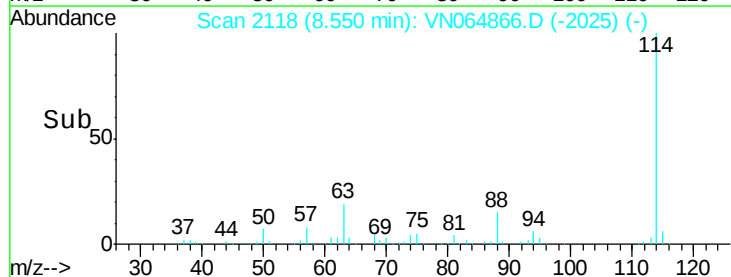
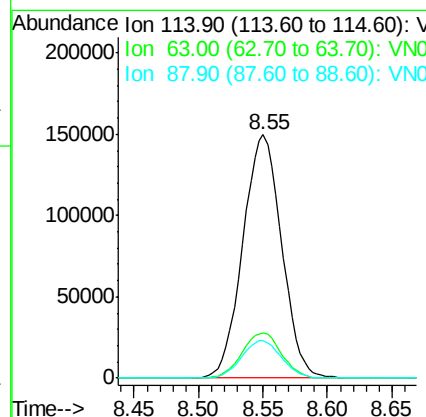
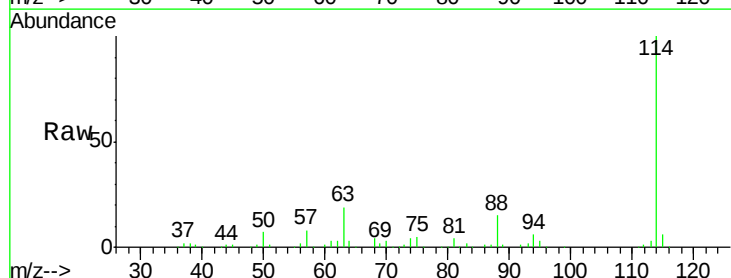
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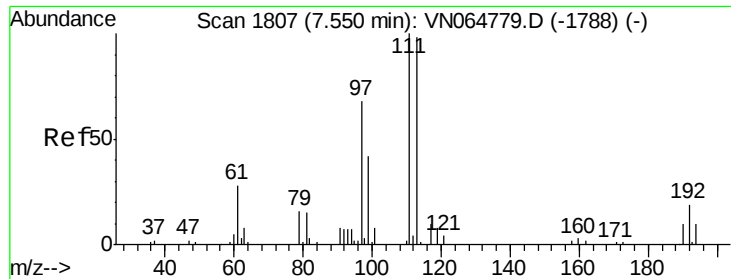
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 12/1/2020 9:35:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	38.6	
88	15.3	0.0	32.6	





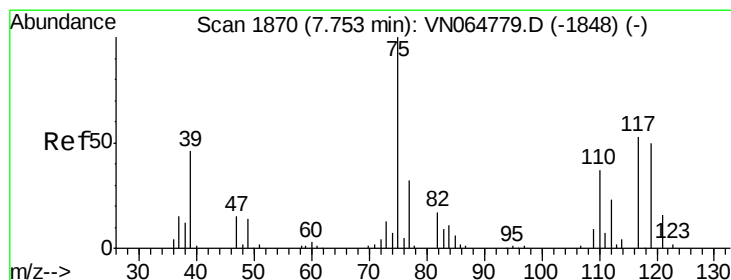
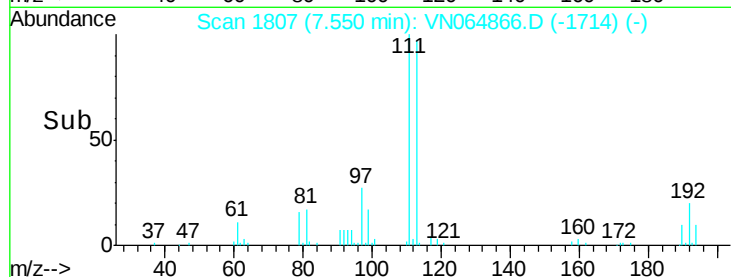
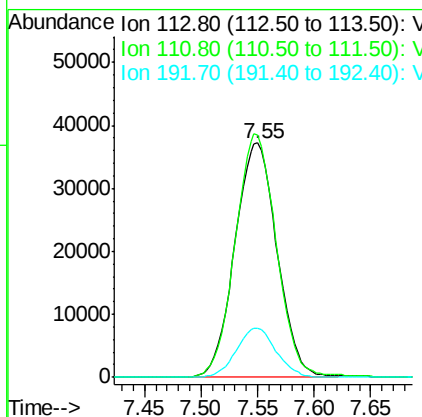
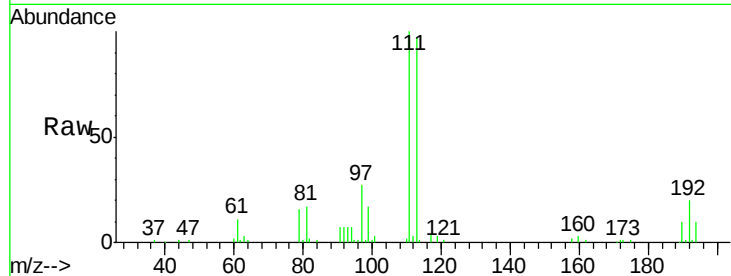
#35
 Dibromofluoromethane
 Concen: 51.382 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.6	122.4
192	19.8	16.2	24.2

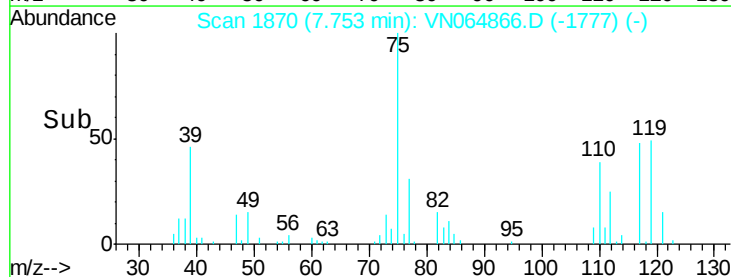
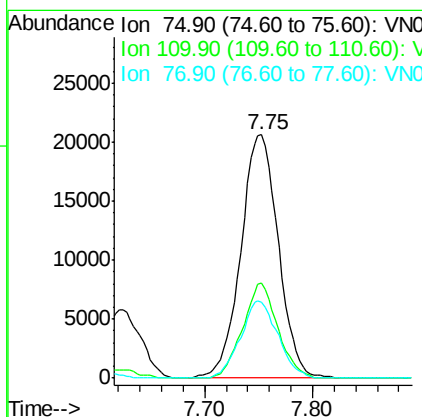
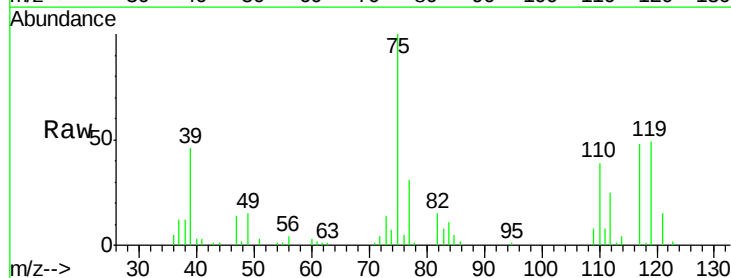
Manual Integrations
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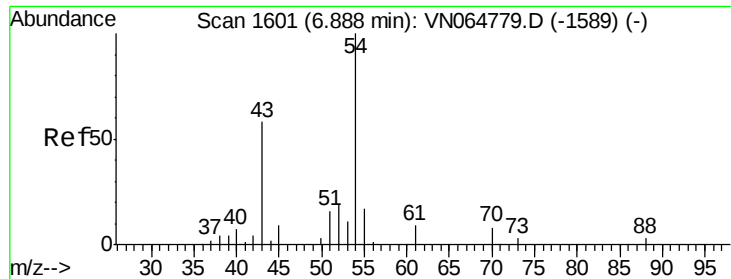
MMDadoda
 12/1/2020 9:35:05 AM



#36
 1,1-Dichloropropene
 Concen: 17.104 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.8	53.3
77	31.5	25.0	37.4





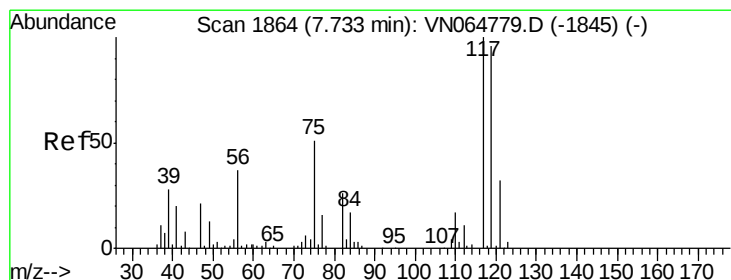
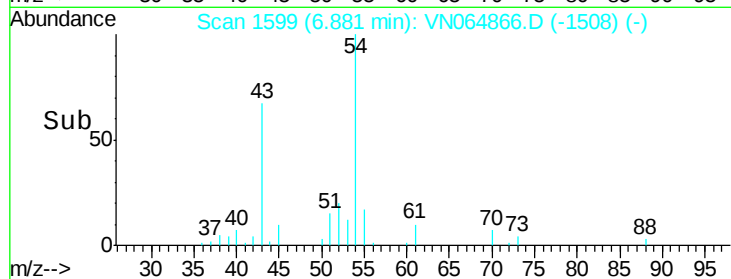
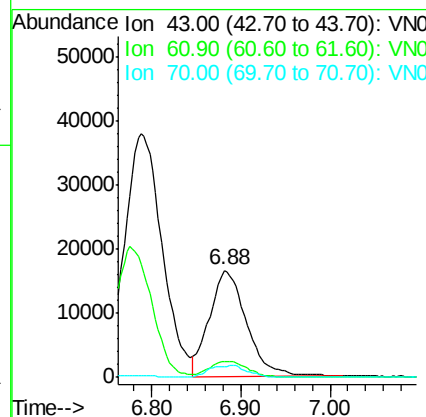
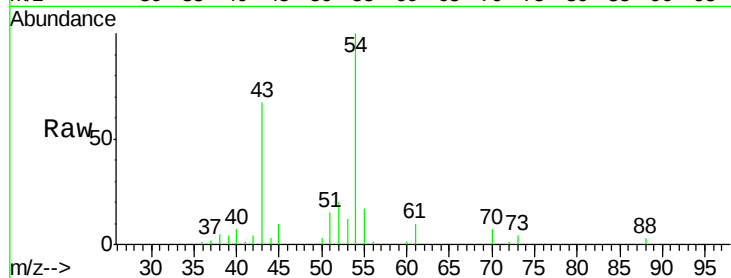
#37
Ethyl Acetate
Concen: 17.103 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	15.7	11.4
Lower		12.8	8.8
Upper		19.2	13.2

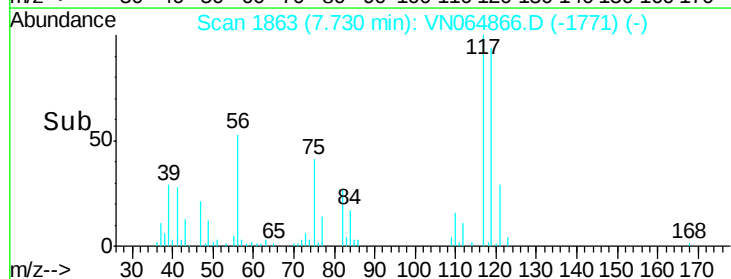
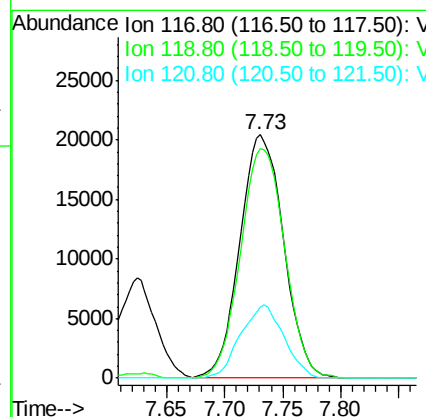
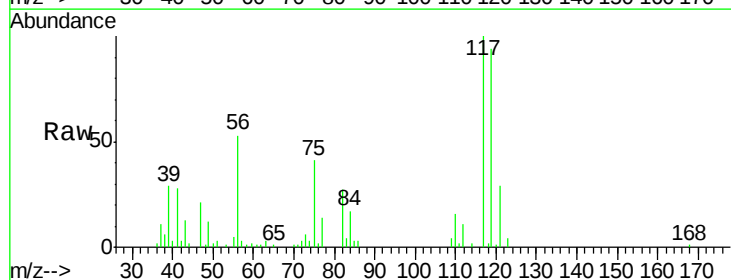
Manual Integrations
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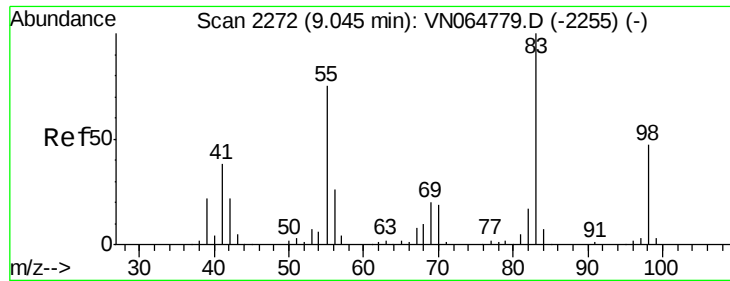
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.780 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	94.2	29.2
Lower		76.7	25.4
Upper		115.1	38.2





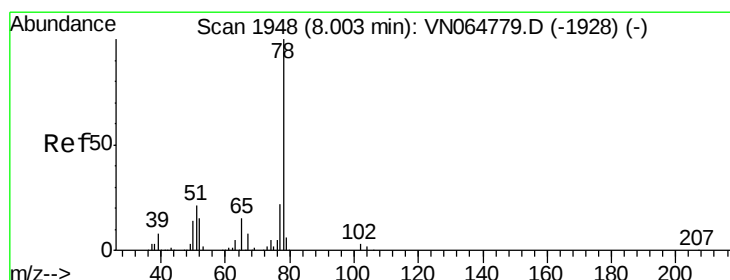
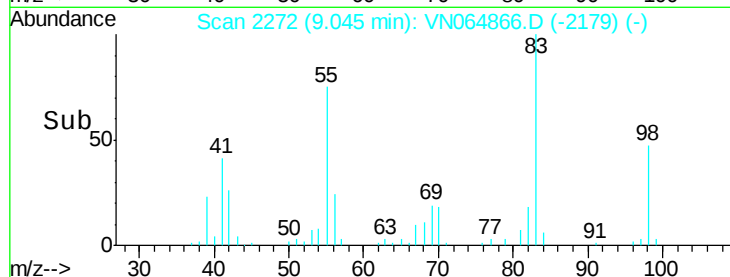
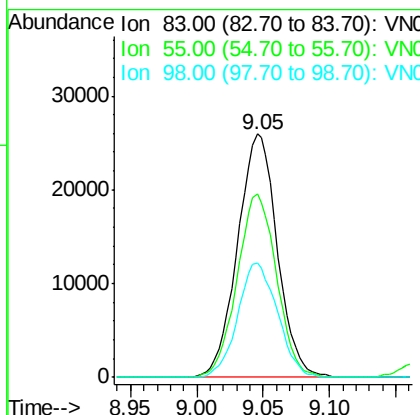
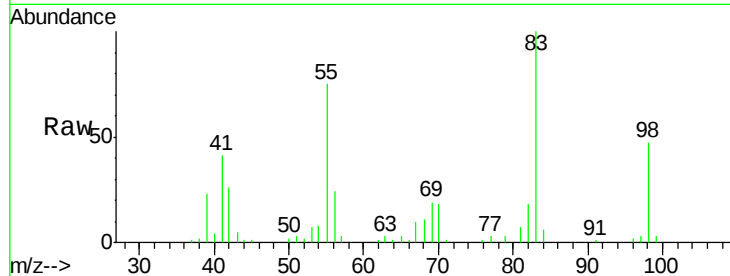
#39
Methvlcvclohexane
Concen: 17.229 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.2	90.2
98	47.2	37.4	56.2

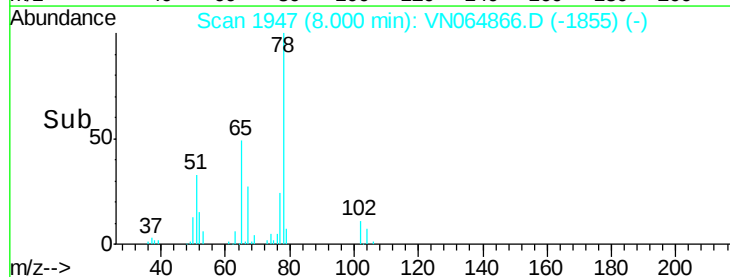
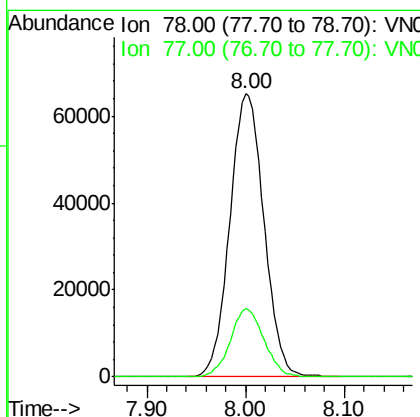
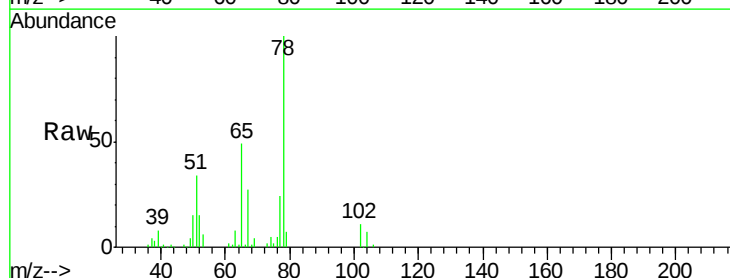
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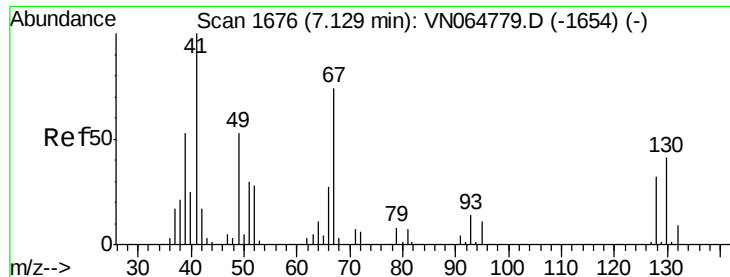
MMDadoda
12/1/2020 9:35:05 AM



#40
Benzene
Concen: 17.609 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	17.9	26.9





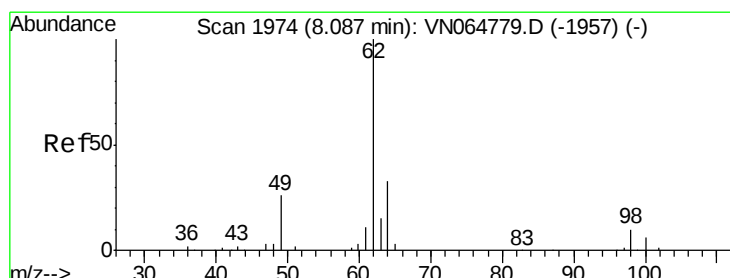
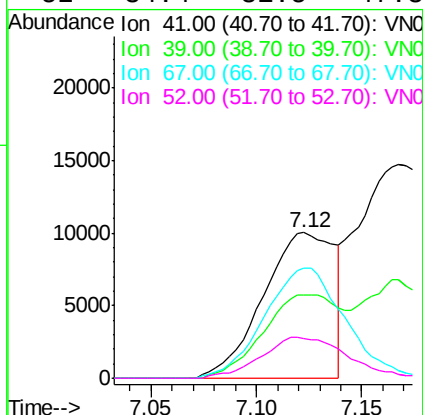
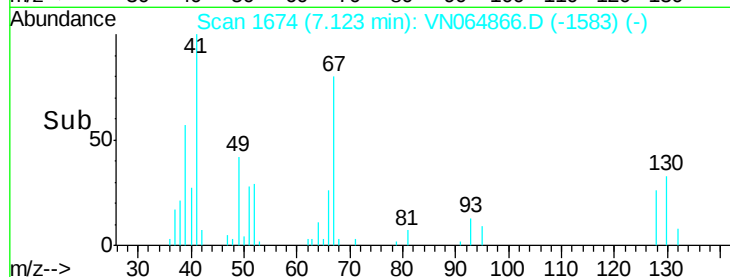
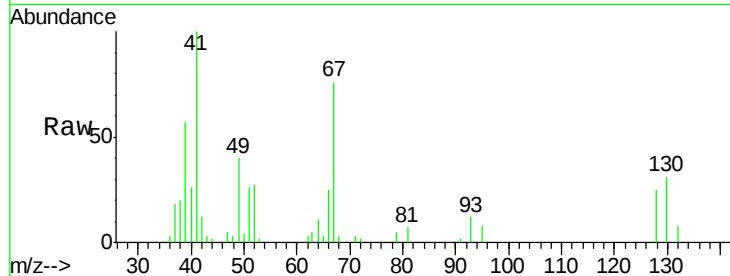
#41
Methacrylonitrile
Concen: 18.242 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion:	41	Resp:	23577
Ion	Ratio	Lower	Upper
41	100		
39	60.9	51.0	76.6
67	86.1	79.8	119.8
52	34.4	31.5	47.3

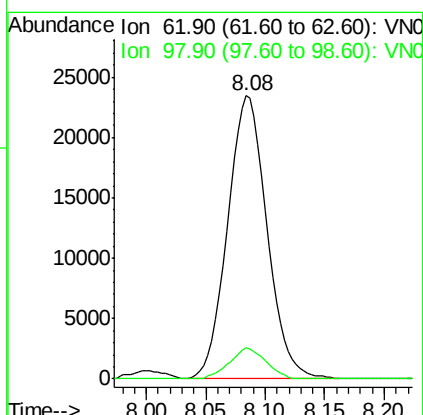
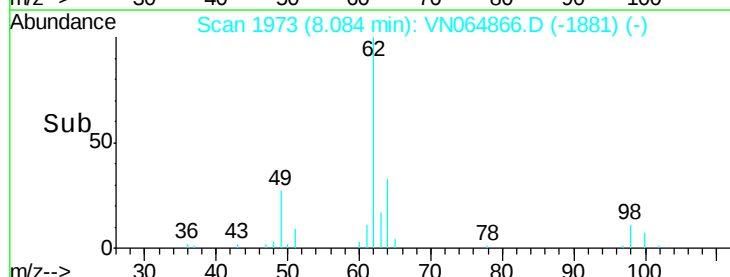
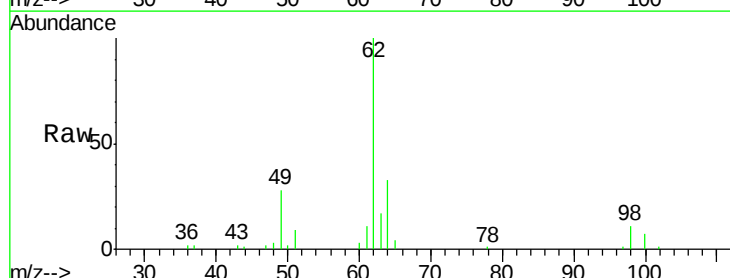
Manual Integrations
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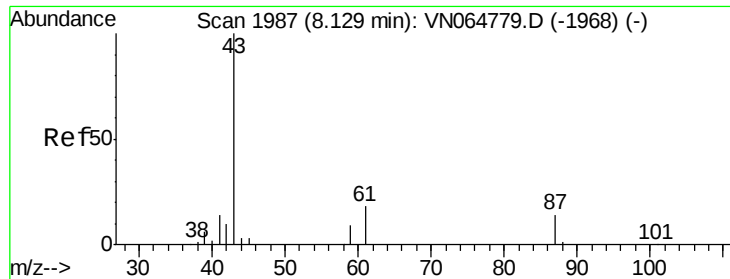
MMDadoda
12/1/2020 9:35:05 AM



#42
1,2-Dichloroethane
Concen: 17.880 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion:	62	Resp:	53745
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





#43

Isopropyl Acetate

Concen: 17.164 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

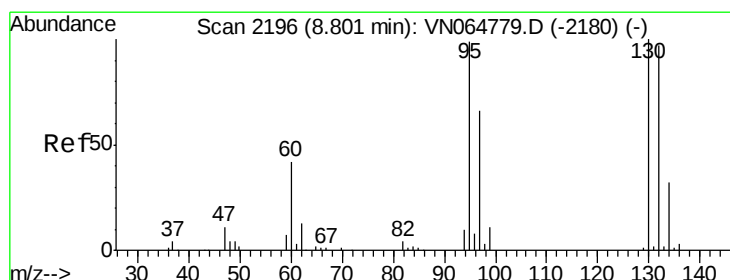
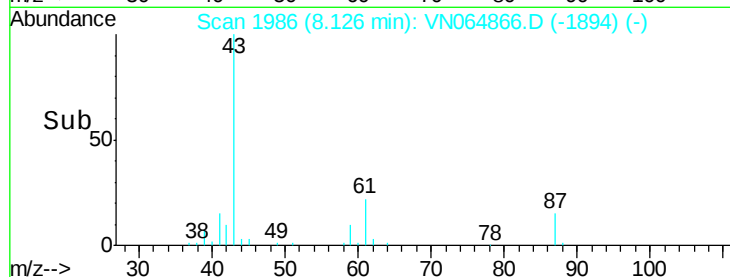
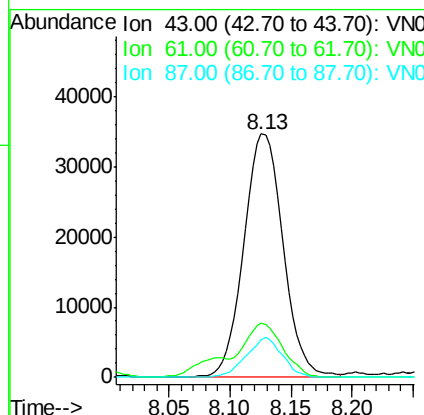
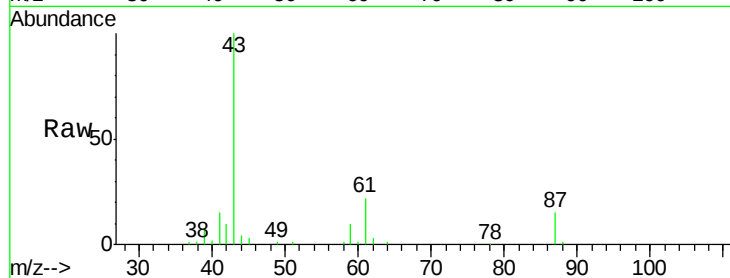
ClientSampleId :

VN1130MBSD01

Tot Ion:	43	Resp:	77361
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.2	25.8
87	14.8	11.4	17.0

Manual Integrations
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12/1/2020 9:35:05 AM



#44

Trichloroethene

Concen: 17.801 ug/l

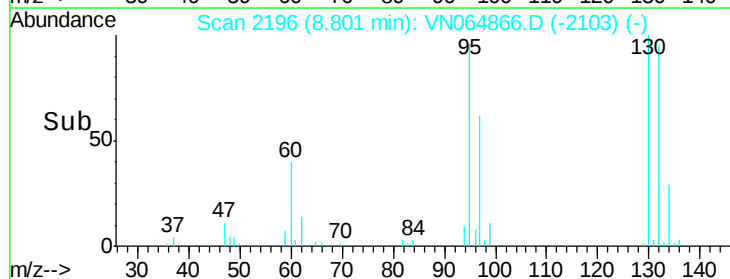
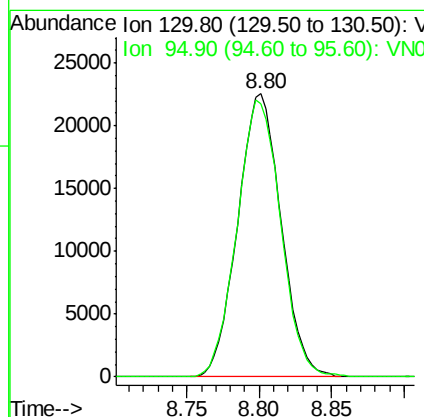
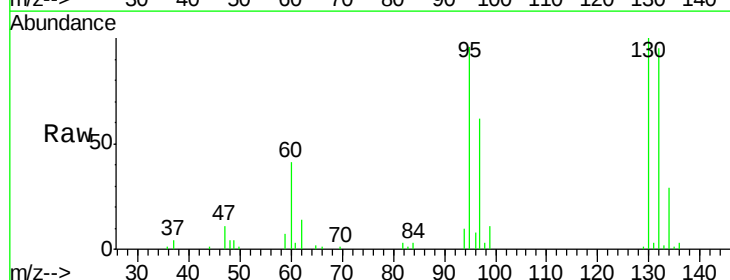
RT: 8.80 min Scan# 2196

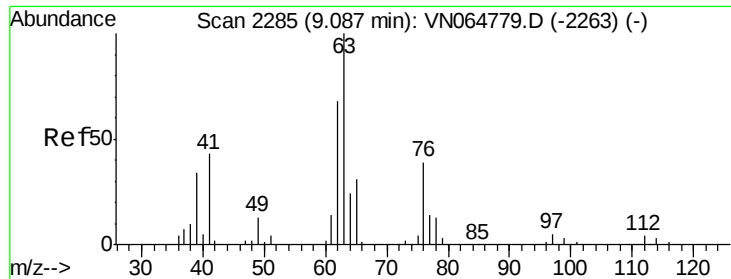
Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion:	130	Resp:	46800
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	197.8





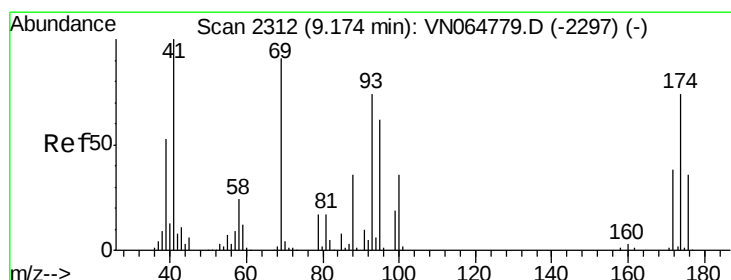
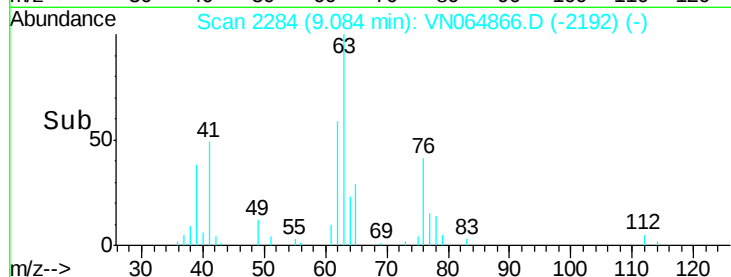
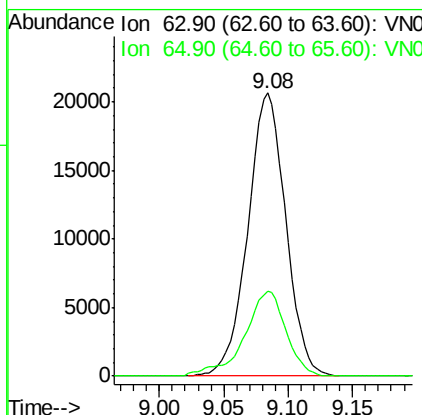
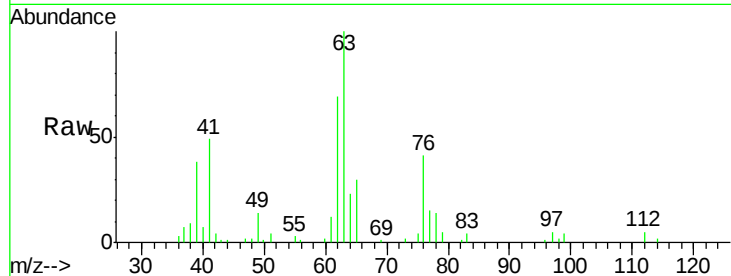
#45
 1,2-Dichloropropane
 Concen: 18.393 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion: 63 Resp: 42442
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

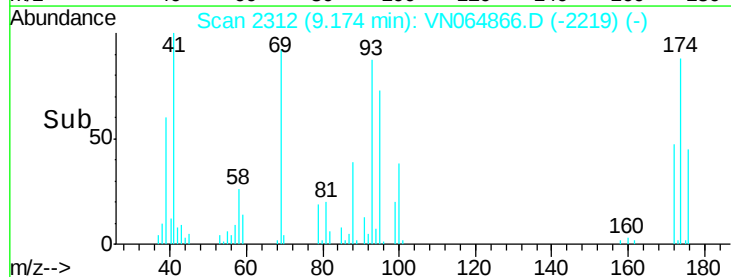
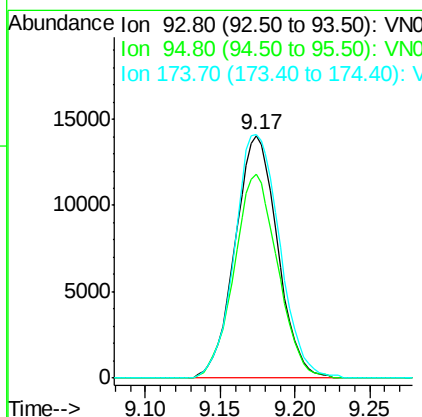
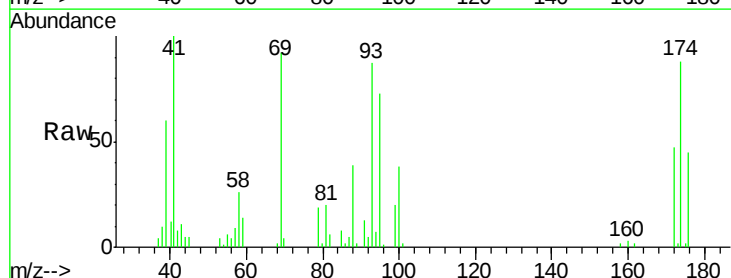
Manual Integrations
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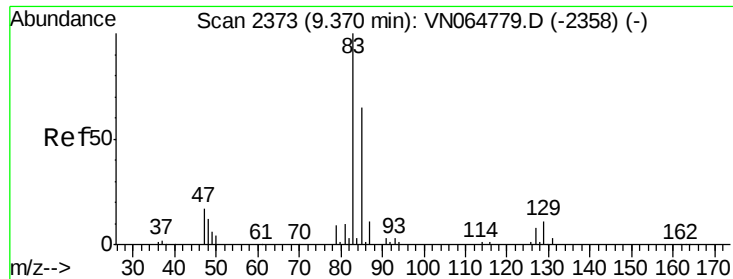
MMDadoda
 12/1/2020 9:35:05 AM



#46
 Dibromomethane
 Concen: 17.991 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion: 93 Resp: 27735
 Ion Ratio Lower Upper
 93 100
 95 86.2 68.8 103.2
 174 106.3 83.1 124.7





#47

Bromodichloromethane

Concen: 17.860 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

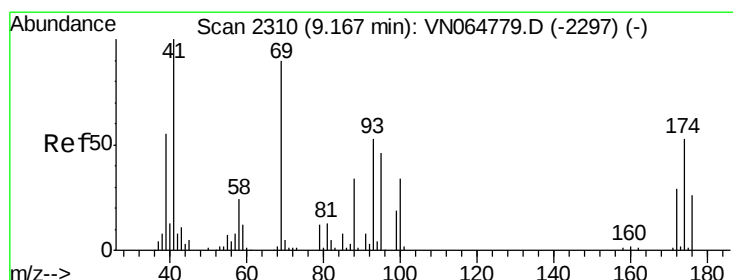
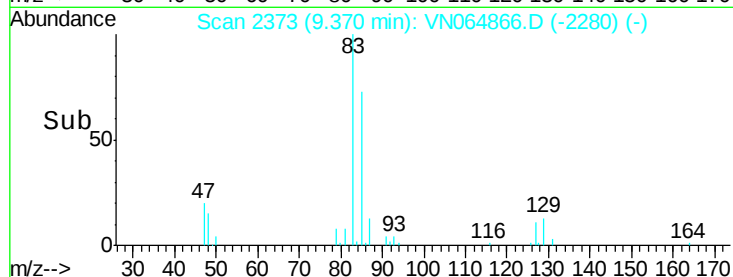
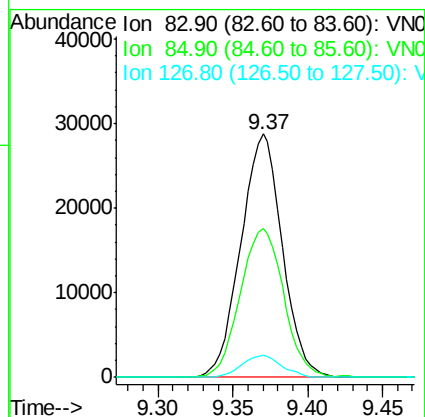
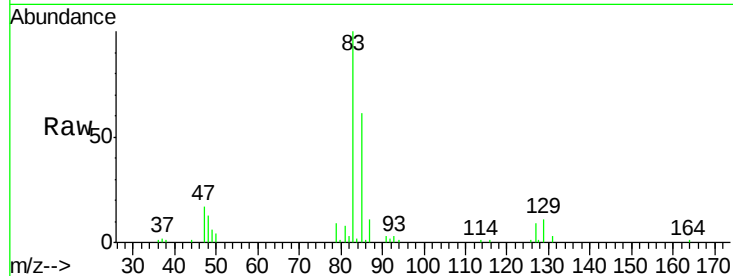
ClientSampleId :

VN1130MBSD01

Tot Ion:	83	Resp:	55400
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.8
127	9.0	6.8	10.2

Manual Integrations
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MMDadoda
12/1/2020 9:35:05 AM



#48

Methyl methacrylate

Concen: 17.340 ug/l

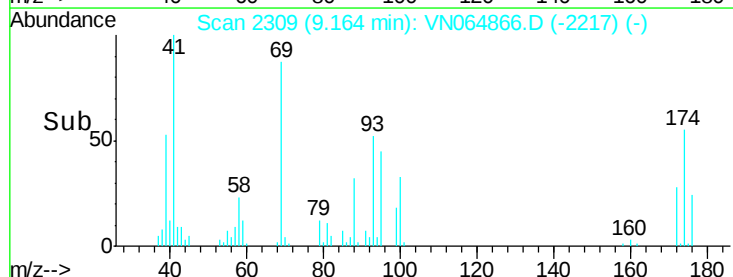
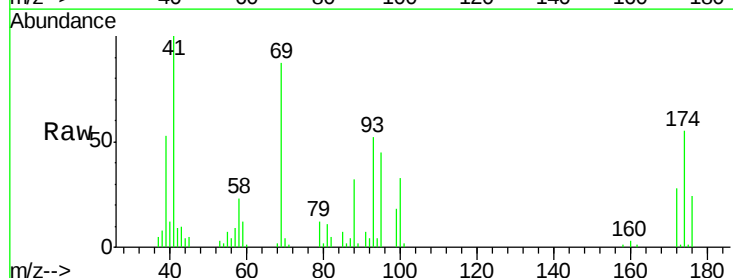
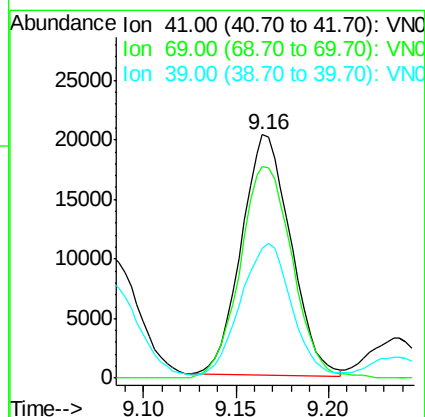
RT: 9.16 min Scan# 2309

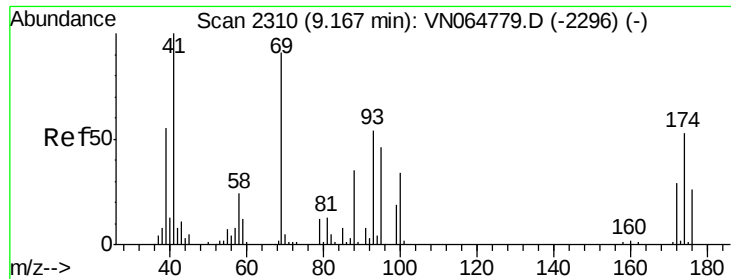
Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion:	41	Resp:	37344
Ion	Ratio	Lower	Upper
41	100		
69	93.1	71.8	107.8
39	58.4	44.1	66.1





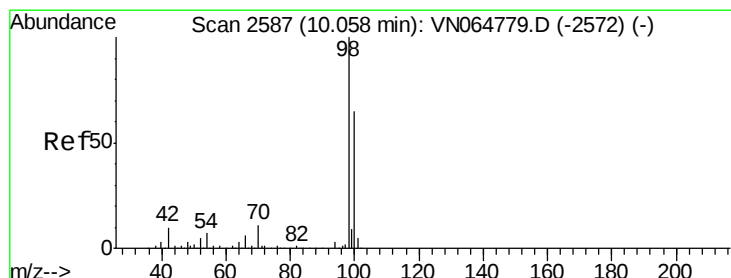
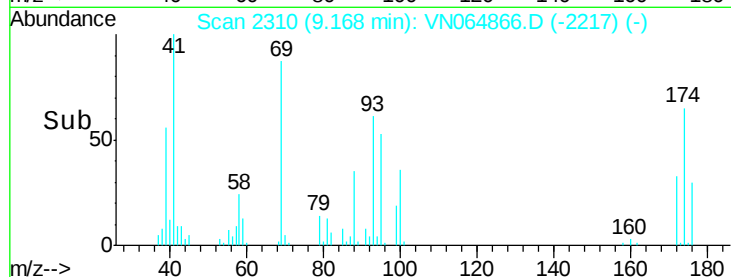
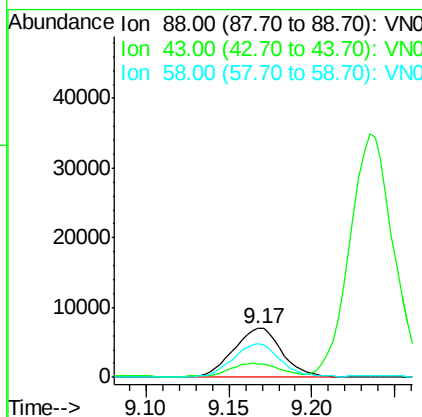
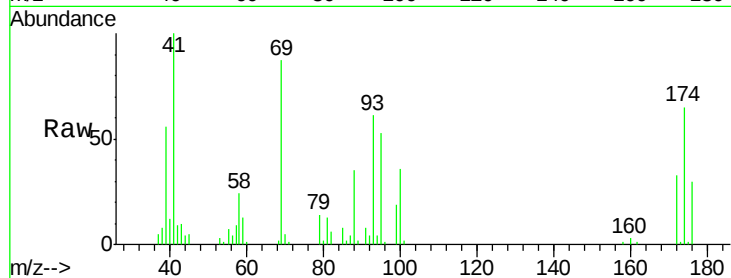
#49
1,4-Dioxane
Concen: 348.163 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	88	Resp	14172
Ion	Ratio	Lower	Upper
88	100		
43	31.9	24.2	36.4
58	68.2	52.5	78.7

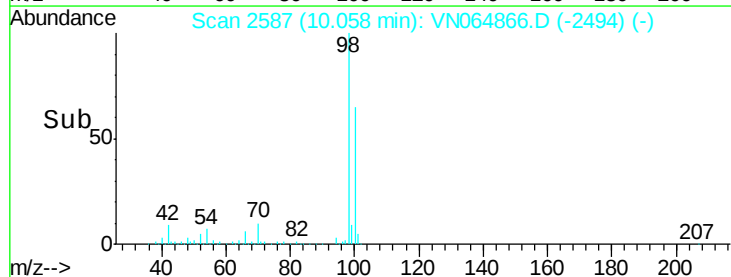
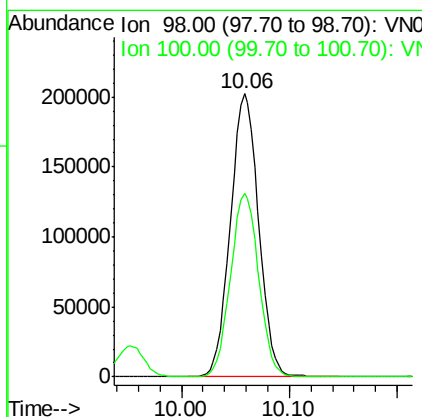
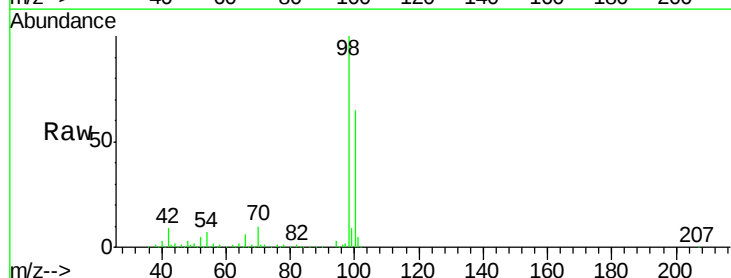
Manual Integrations
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MMDadoda
12/1/2020 9:35:05 AM



#50
Toluene-d8
Concen: 48.177 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	98	Resp	369512
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 89.295 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion: 43 Resp: 241619

Ion Ratio Lower Upper

43 100

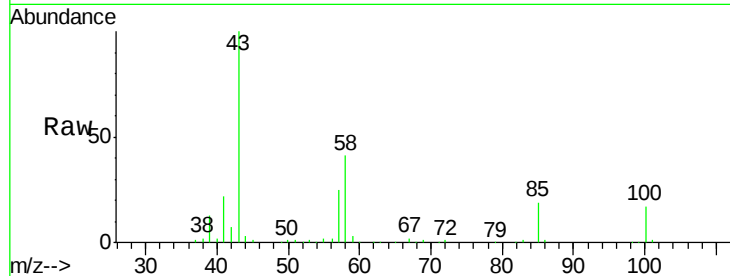
58 40.8 32.4 48.6

Manual Integrations

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MMDadoda

12/1/2020 9:35:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

150000

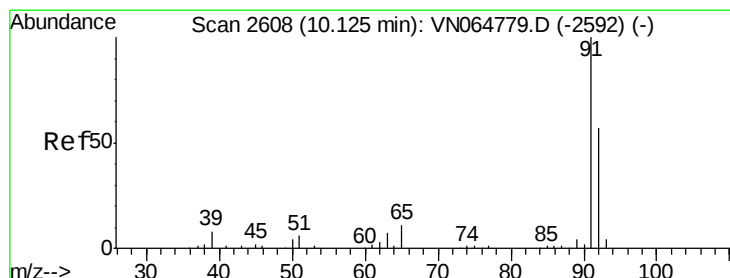
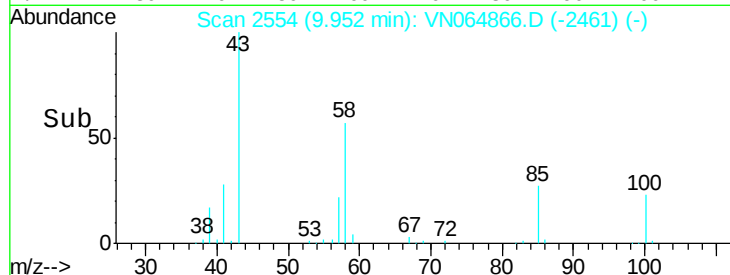
100000

50000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 17.678 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064866.D

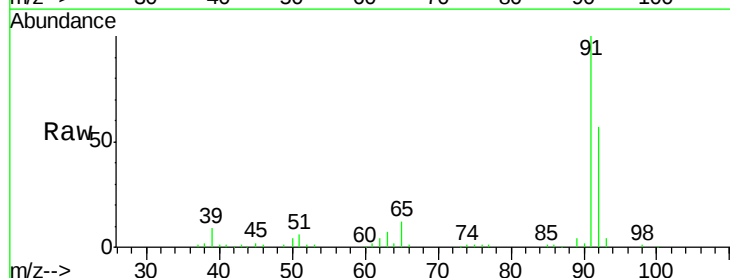
Acq: 30 Nov 2020 12:32

Tgt Ion: 92 Resp: 97008

Ion Ratio Lower Upper

92 100

91 175.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

10.12

100000

80000

60000

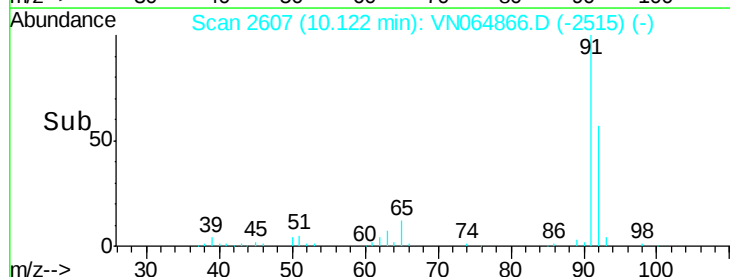
40000

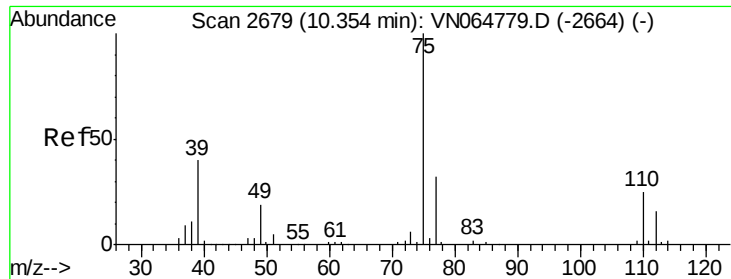
20000

0

10.05 10.10 10.15 10.20

Time-->





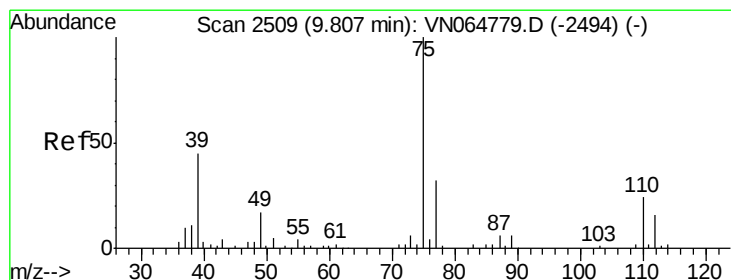
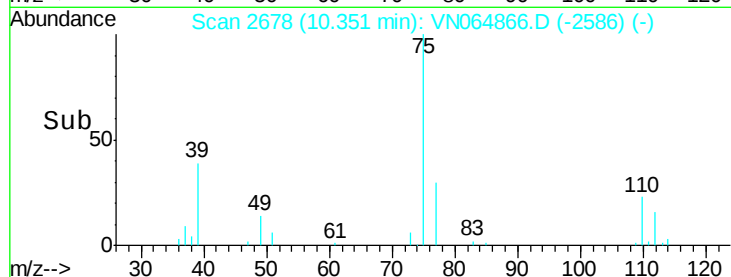
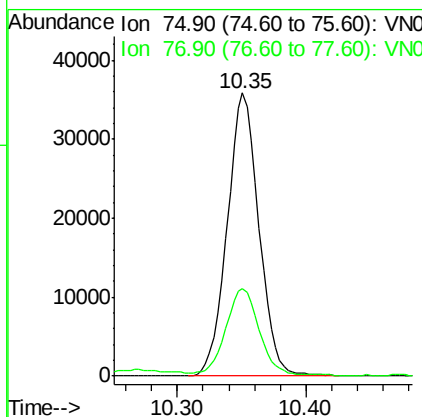
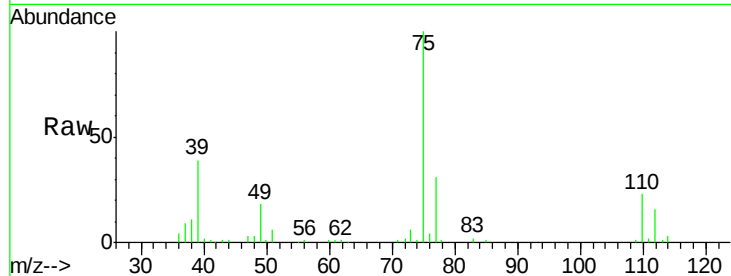
#53
 t-1,3-Dichloropropene
 Concen: 17.663 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion: 75 Resp: 61023
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.6

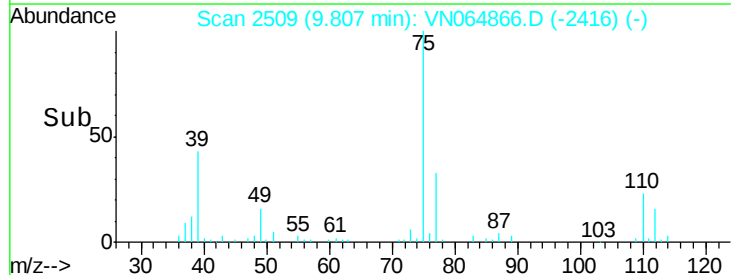
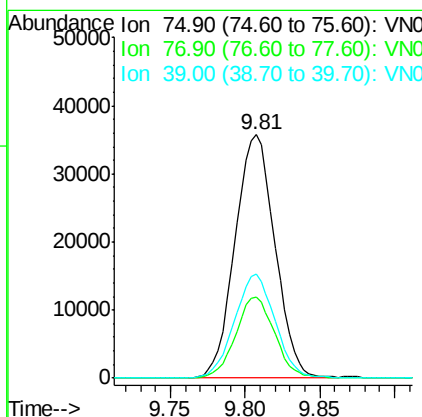
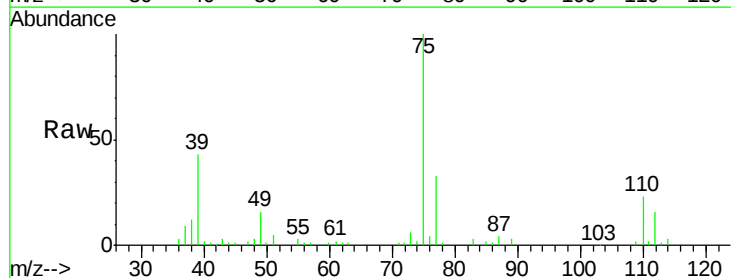
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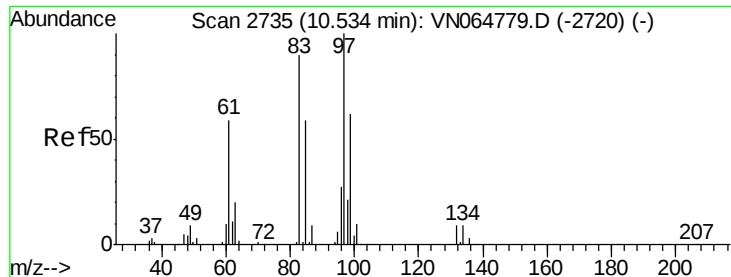
MMDadoda
 12/1/2020 9:35:05 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.972 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion: 75 Resp: 66552
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.5 38.3
 39 42.7 35.6 53.4





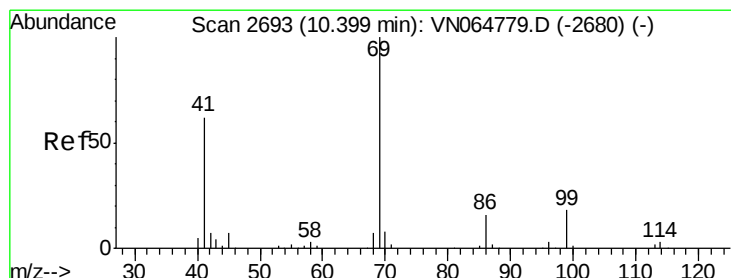
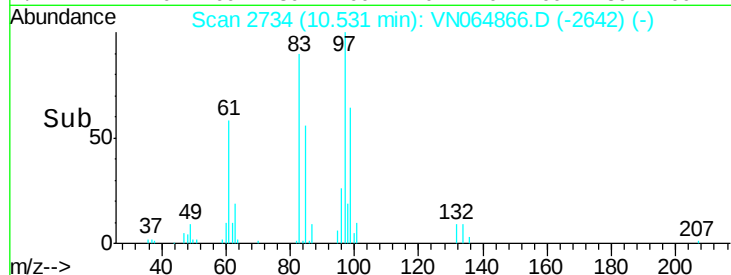
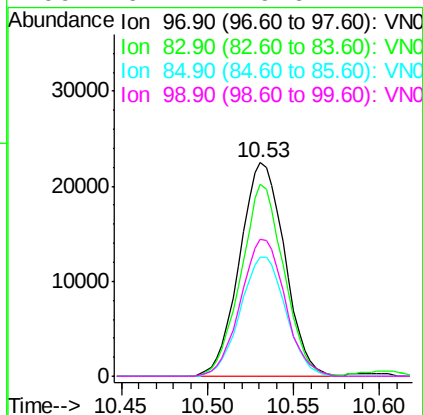
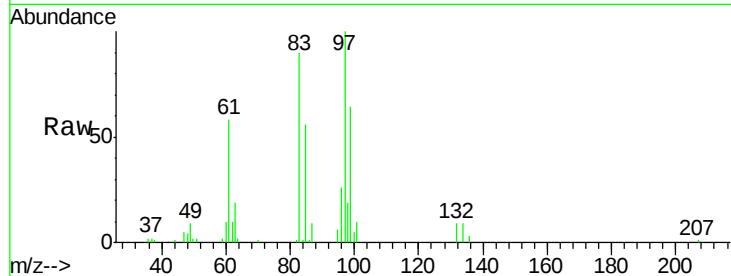
#55
 1,1,2-Trichloroethane
 Concen: 18.066 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion:	97	Resp:	40766
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.1	108.1
85	55.7	46.8	70.2
99	64.1	49.6	74.4

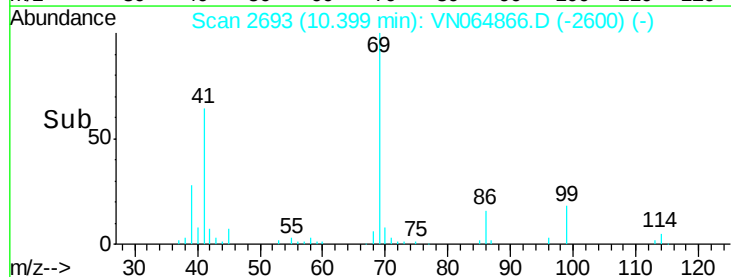
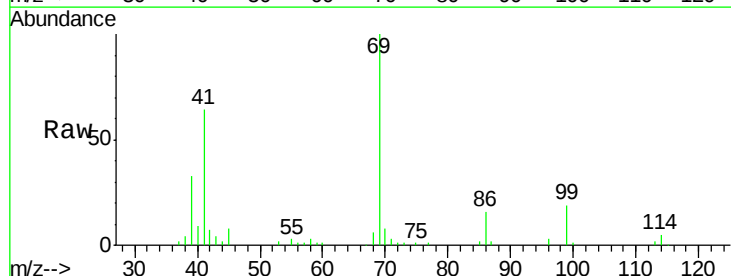
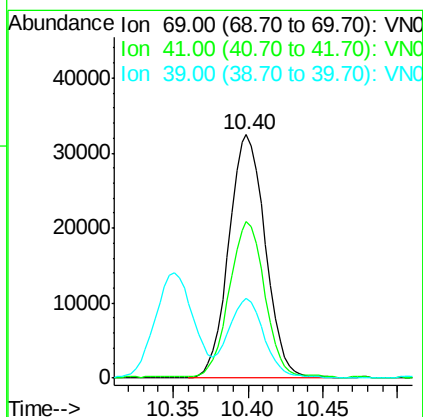
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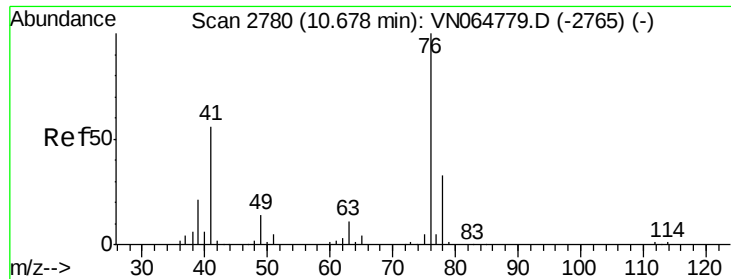
MMDadoda
 12/1/2020 9:35:05 AM



#56
 Ethyl methacrylate
 Concen: 17.686 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion:	69	Resp:	55073
Ion	Ratio	Lower	Upper
69	100		
41	63.6	49.4	74.0
39	32.2	25.9	38.9





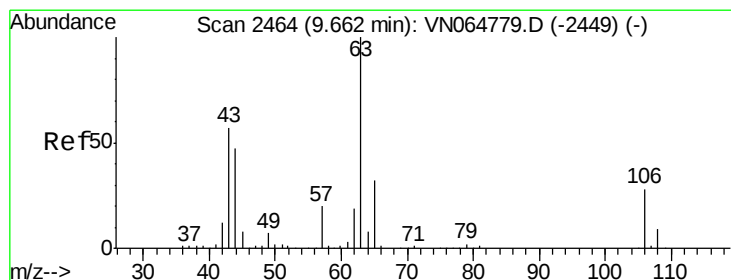
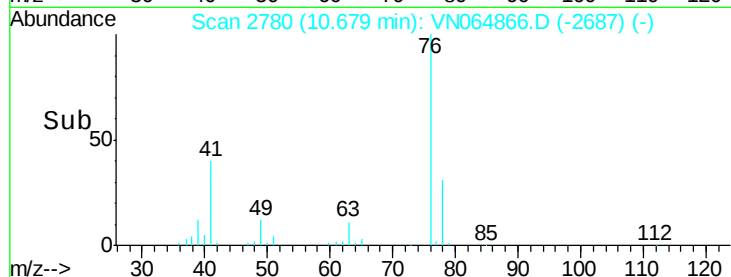
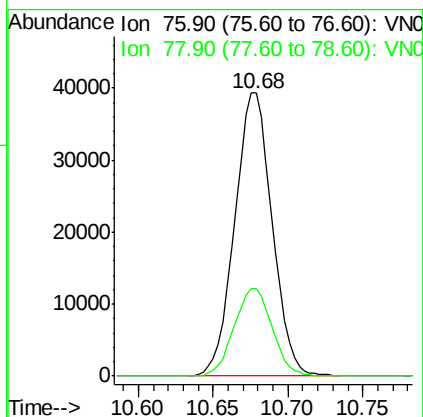
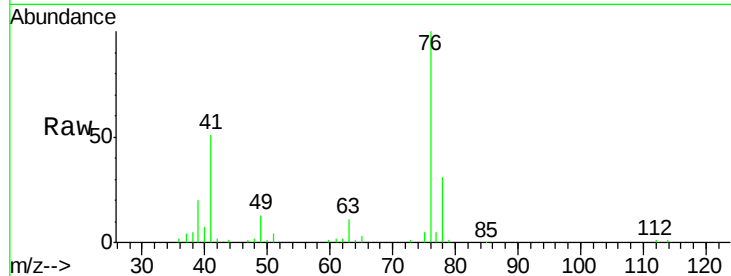
#57
 1,3-Dichloropropane
 Concen: 18.403 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion: 76 Resp: 68502
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.1 39.1

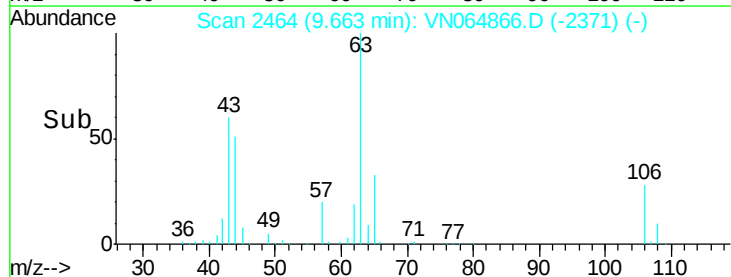
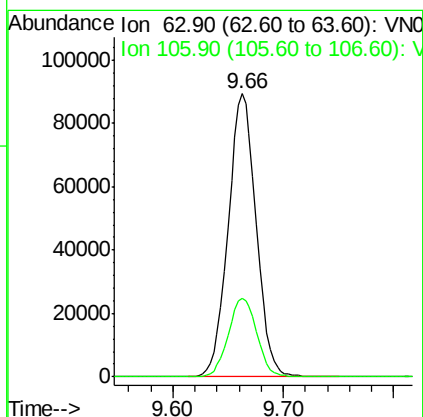
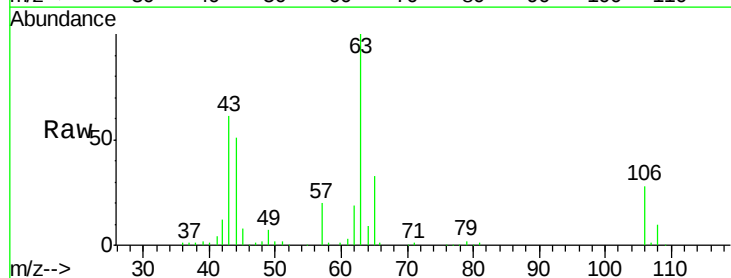
Manual Integrations
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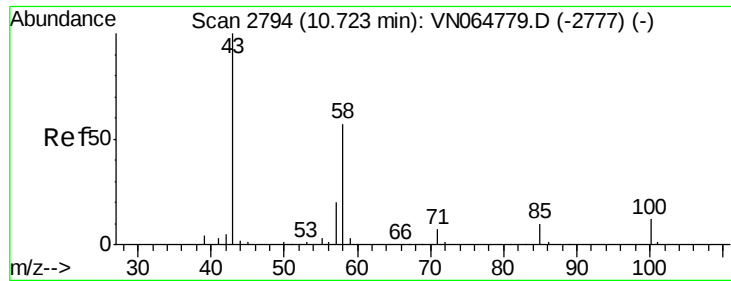
MMDadoda
 12/1/2020 9:35:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.576 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion: 63 Resp: 156857
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1





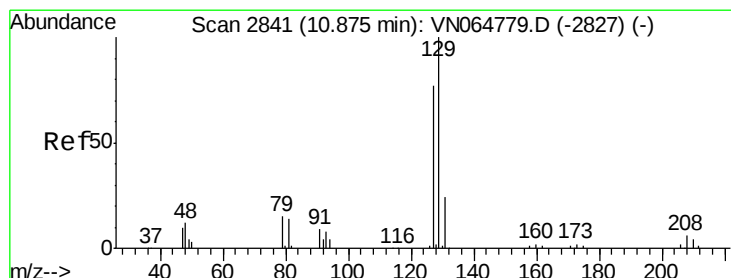
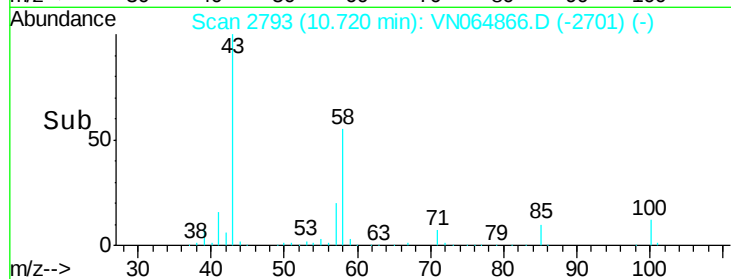
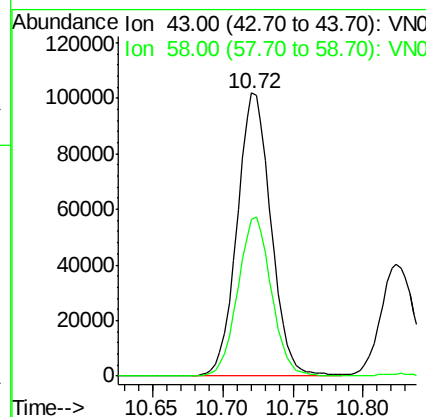
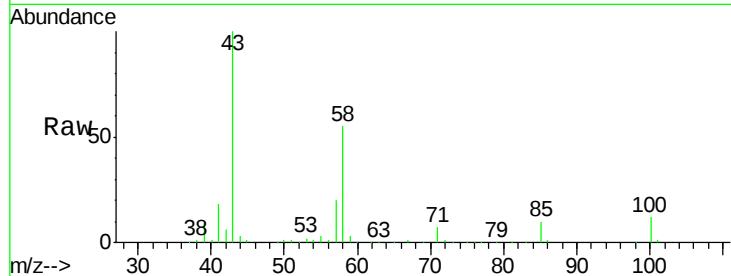
#59
2-Hexanone
Concen: 88.220 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.3	84.9

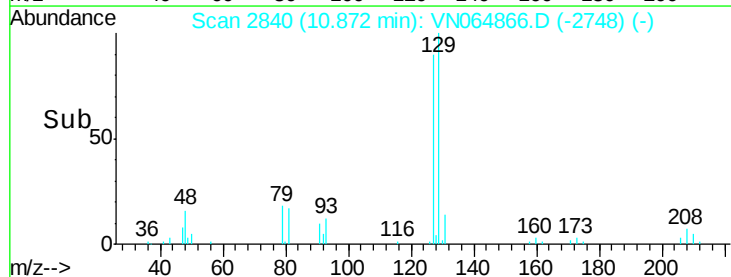
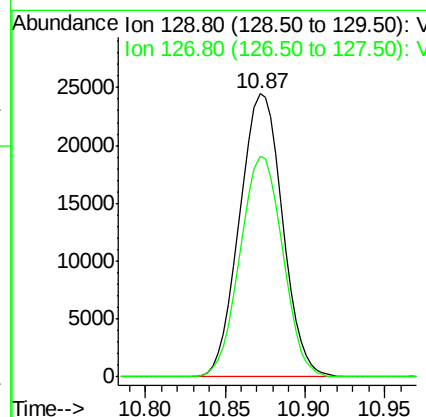
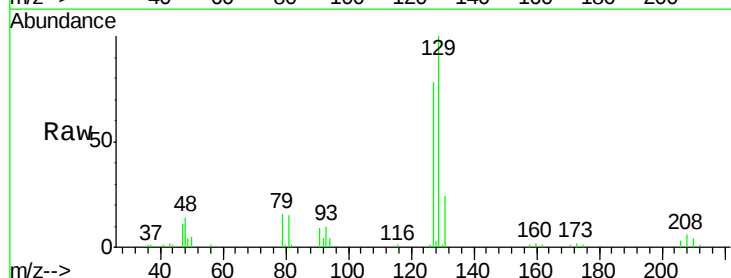
Manual Integrations
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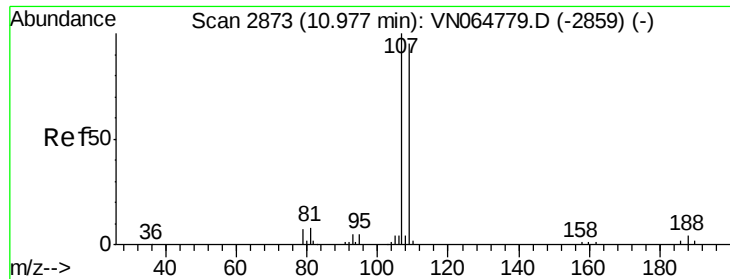
MMDadoda
12/1/2020 9:35:05 AM



#60
Dibromochloromethane
Concen: 17.875 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.2





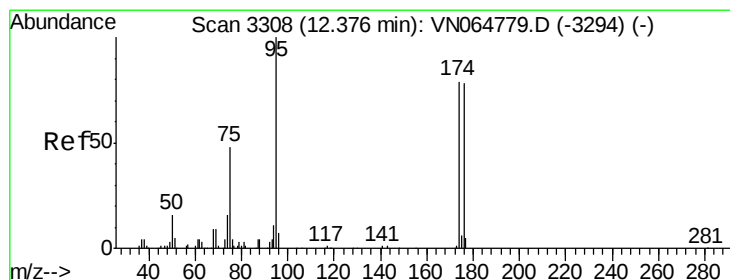
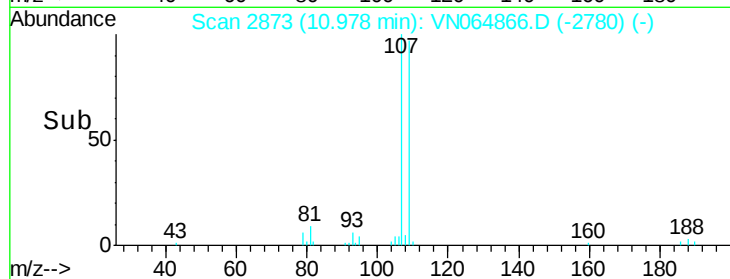
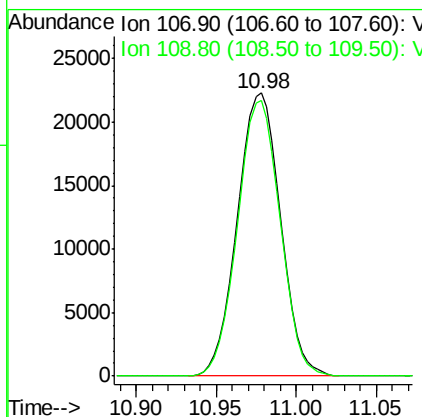
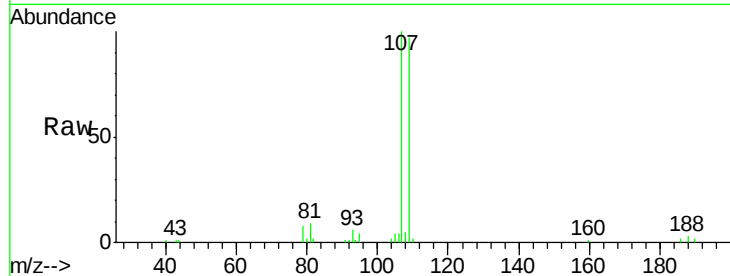
#61
 1,2-Dibromoethane
 Concen: 17.905 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.0	114.0

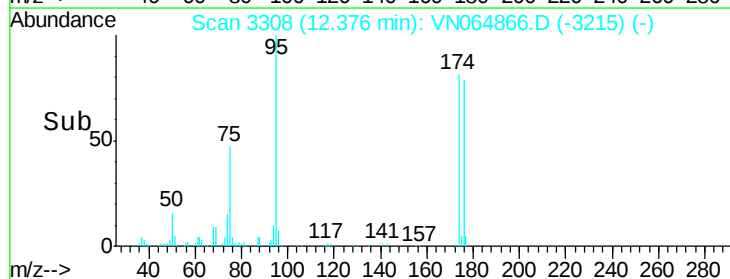
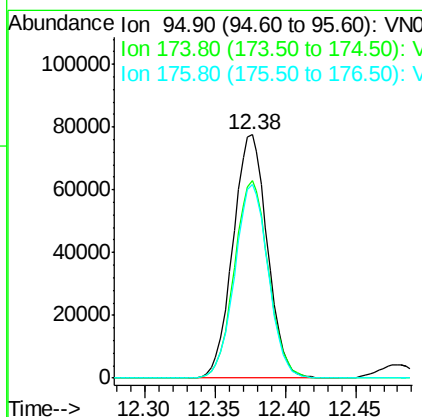
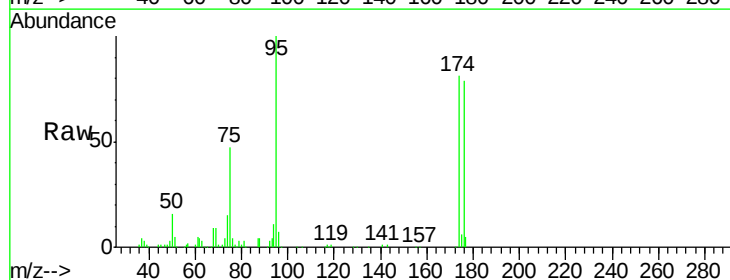
Manual Integrations
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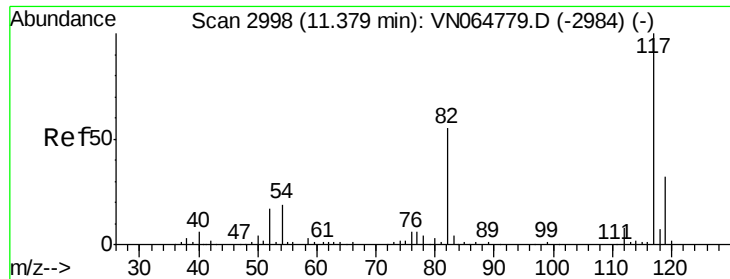
MMDadoda
 12/1/2020 9:35:05 AM



#62
 4-Bromofluorobenzene
 Concen: 48.276 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	160.4
176	77.7	0.0	158.4





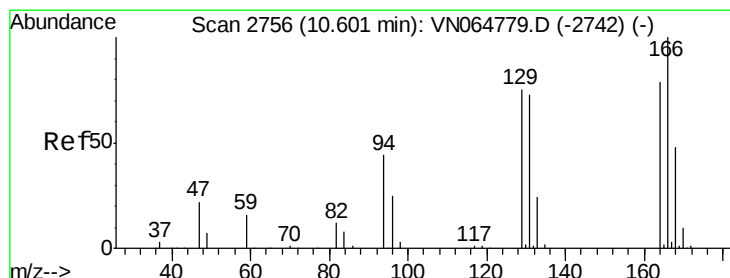
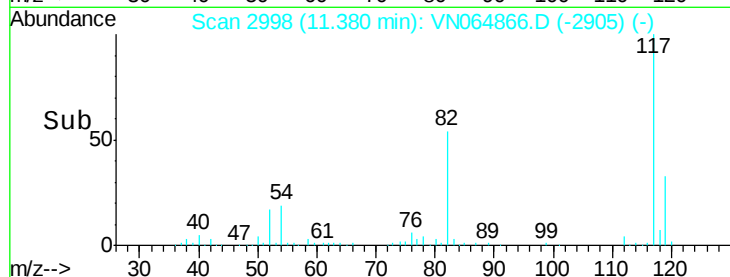
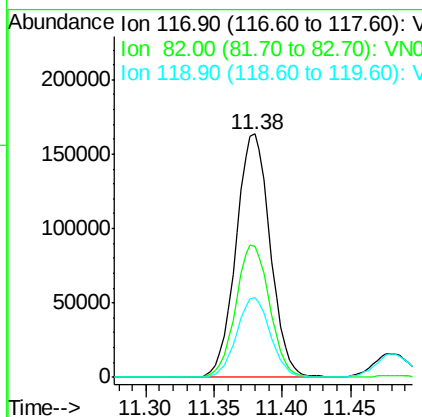
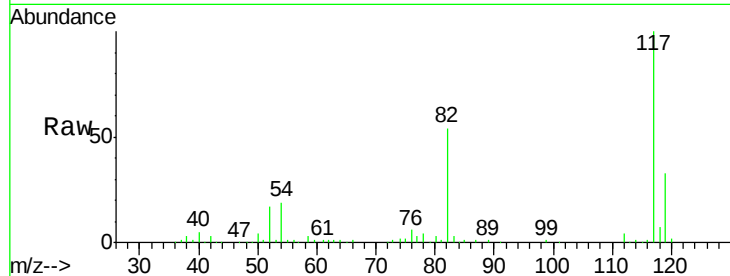
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	32.7	25.8	38.6

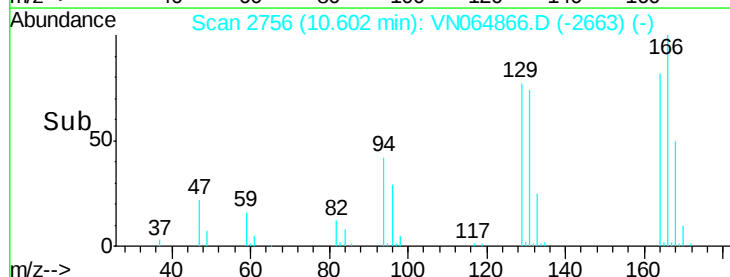
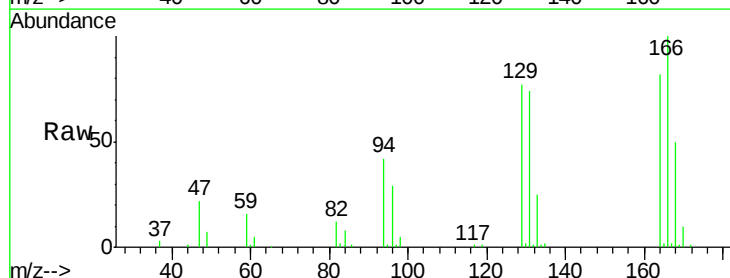
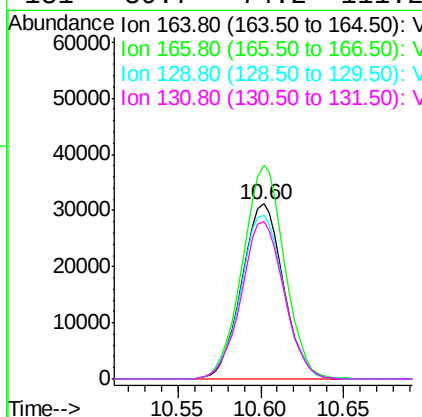
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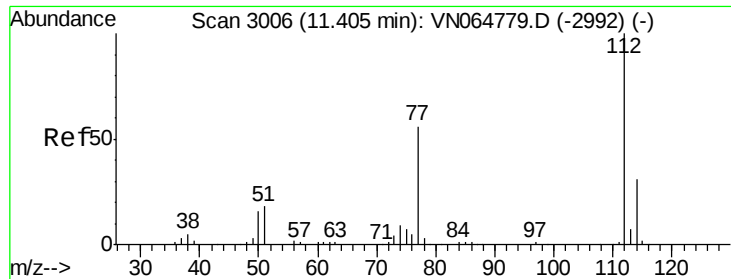
MMDadoda
12/1/2020 9:35:05 AM



#64
Tetrachloroethene
Concen: 19.683 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	101.4	152.0
129	93.4	76.1	114.1
131	89.7	74.2	111.2





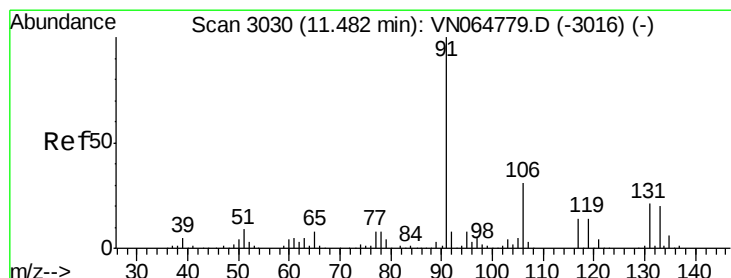
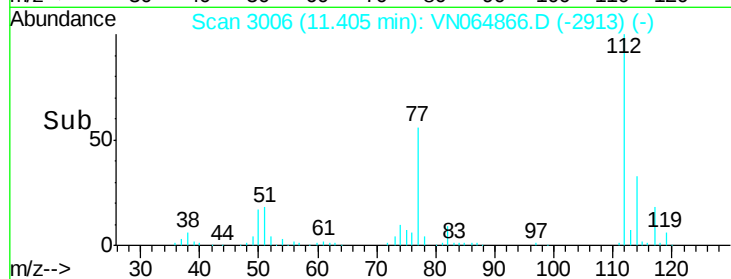
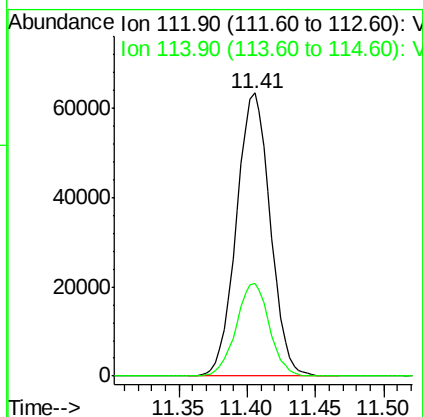
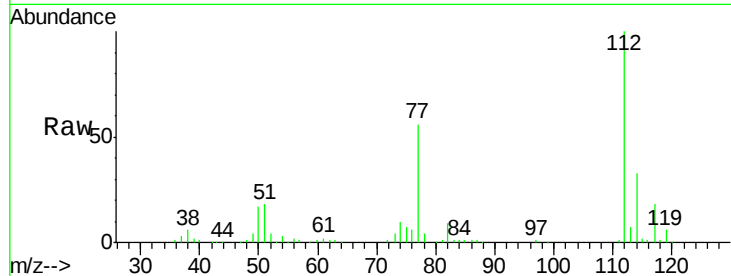
#65
Chlorobenzene
Concen: 17.859 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampled :
VN1130MBS01

Tot Ion:112 Resp: 109186
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7

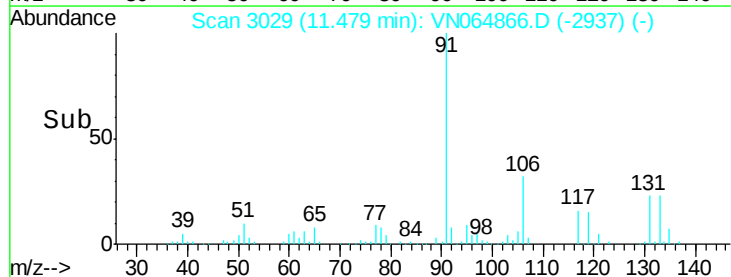
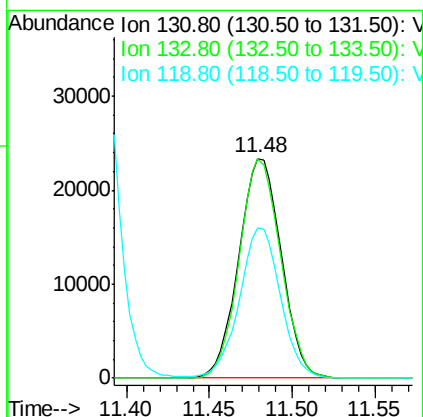
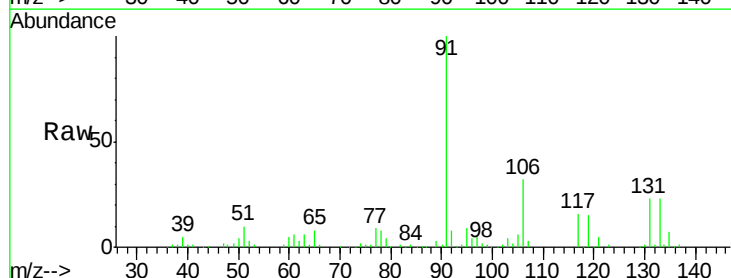
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.523 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion:131 Resp: 41618
Ion Ratio Lower Upper
131 100
133 97.1 47.5 142.5
119 66.2 33.3 99.8





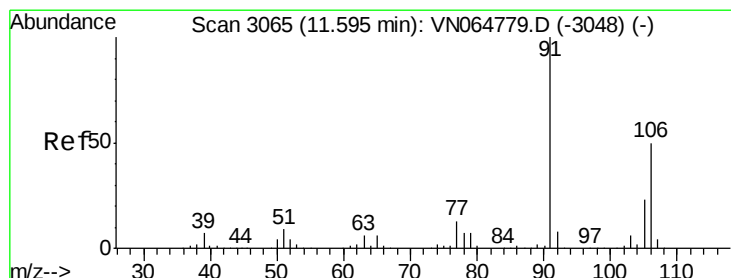
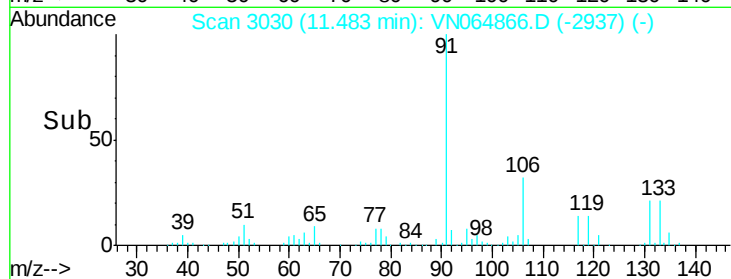
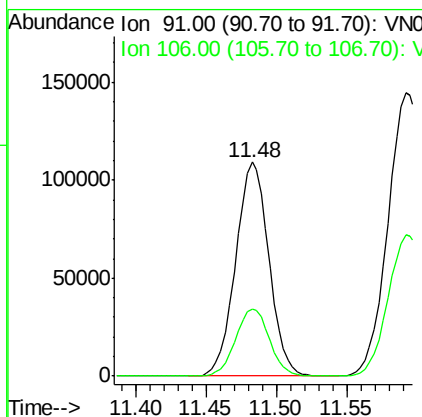
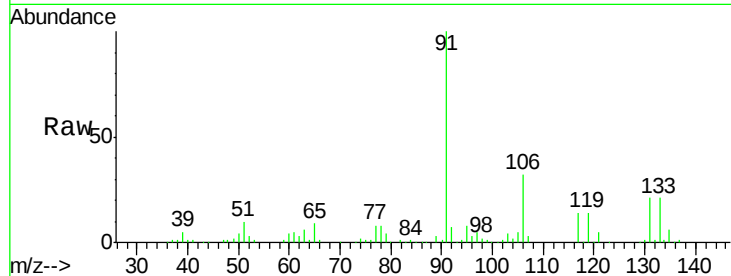
#67
Ethyl Benzene
Concen: 17.676 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion: 91 Resp: 180532
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

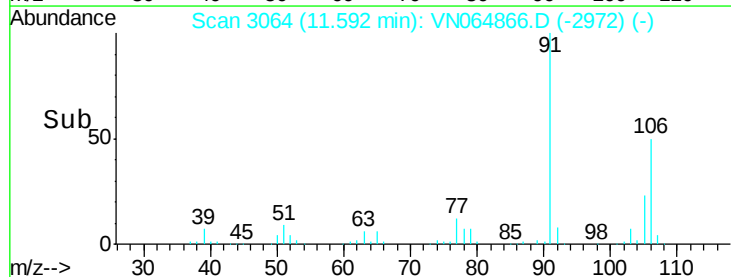
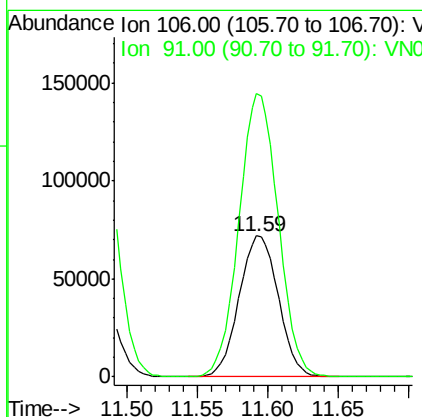
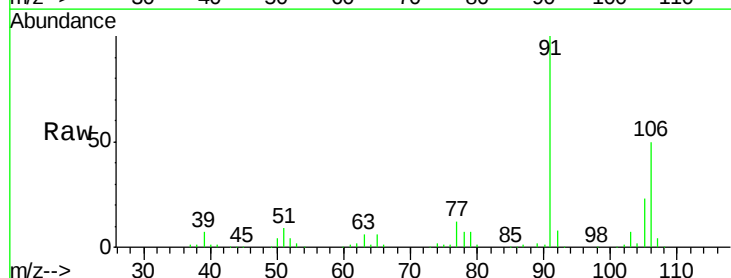
Manual Integrations
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#68
m/p-Xylenes
Concen: 36.308 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion: 106 Resp: 140396
Ion Ratio Lower Upper
106 100
91 200.7 161.0 241.4





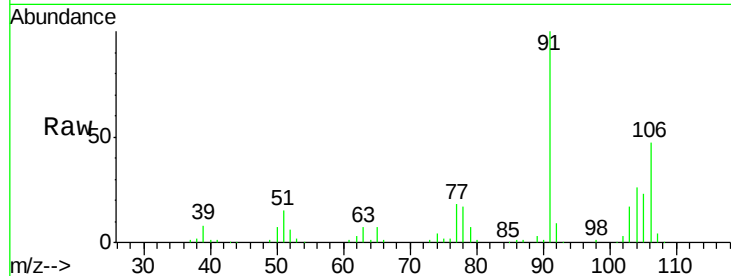
#69
o-Xylene
Concen: 18.264 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

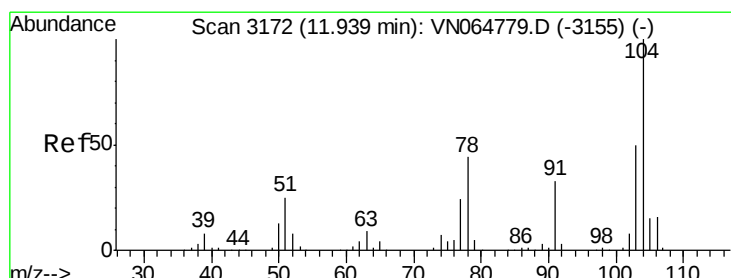
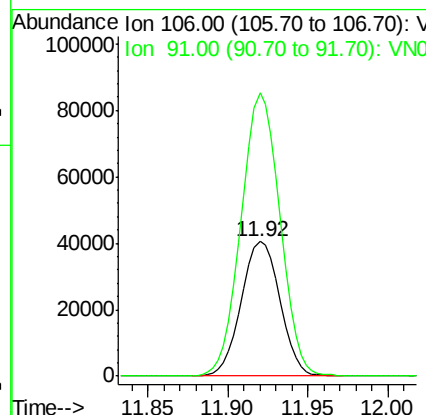
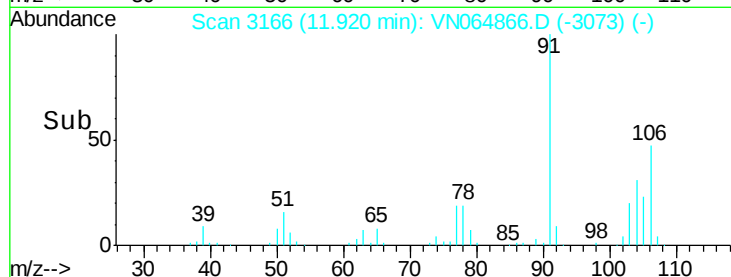
Tot Ion:106 Resp: 67017
Ion Ratio Lower Upper
106 100
91 211.0 105.5 316.5

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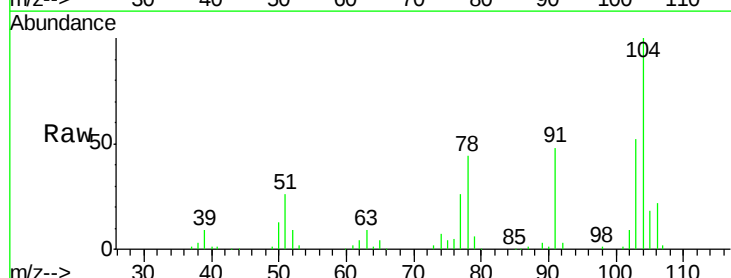


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

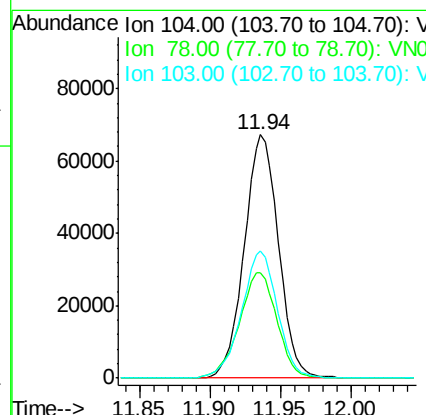
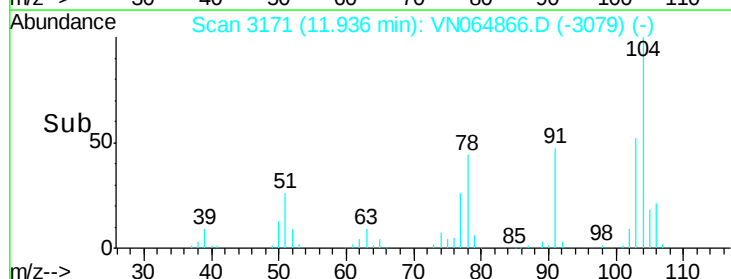


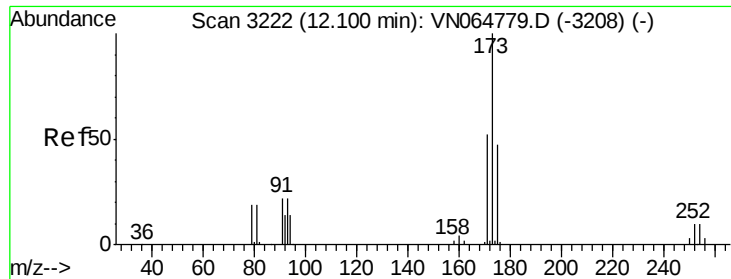
#70
Styrene
Concen: 18.524 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion:104 Resp: 114746
Ion Ratio Lower Upper
104 100
78 47.4 39.0 58.6
103 54.8 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





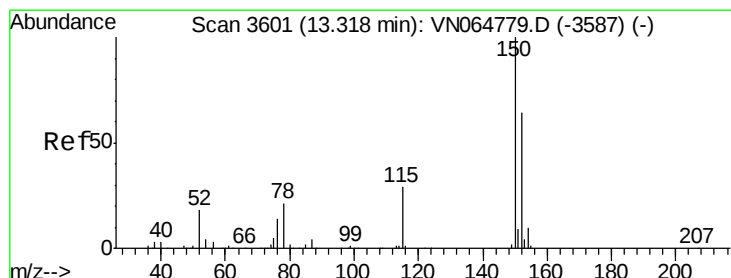
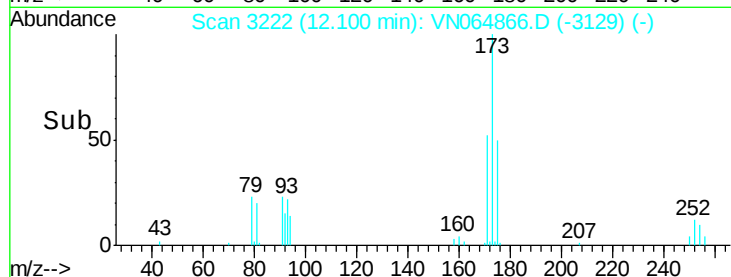
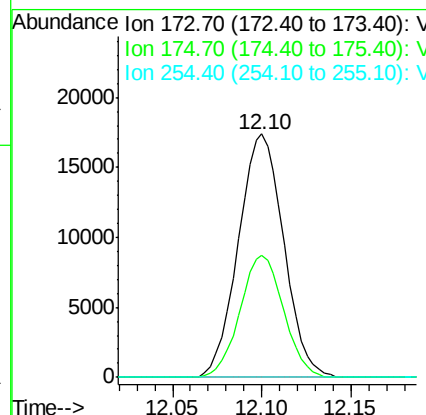
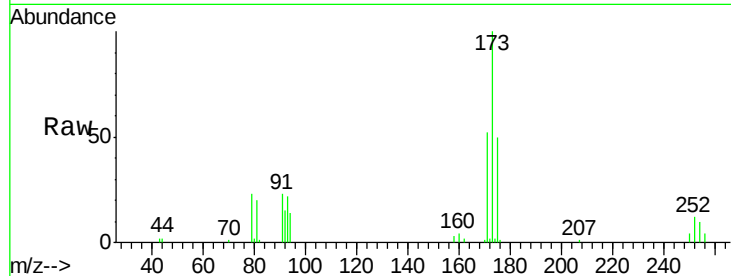
#71
Bromoform
Concen: 17.166 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.0	0.0	0.0

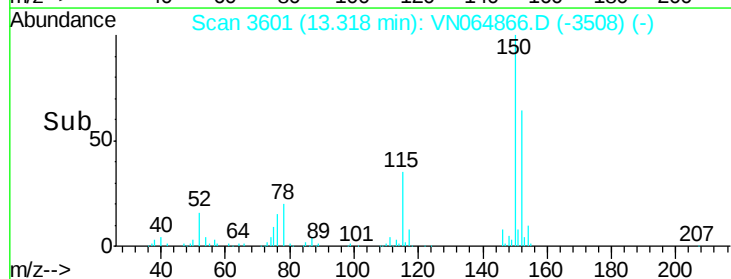
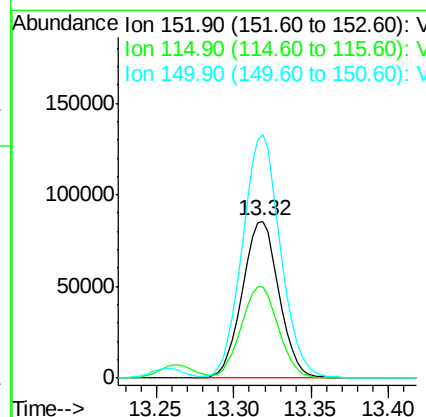
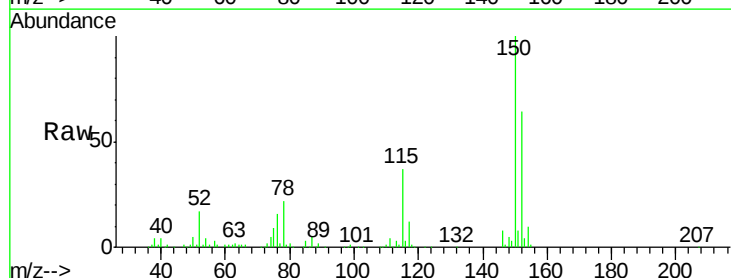
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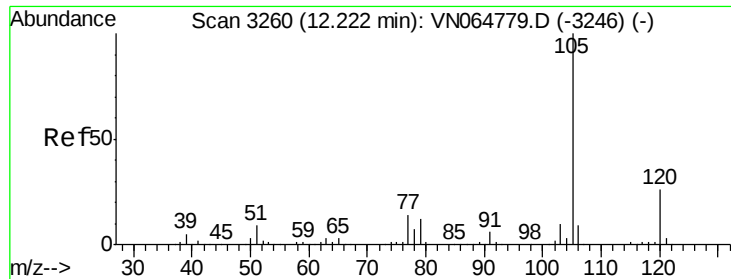
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.7	89.1
150	161.0	0.0	350.6





#73

Isopropylbenzene

Concen: 18.025 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion: 105 Resp: 177663

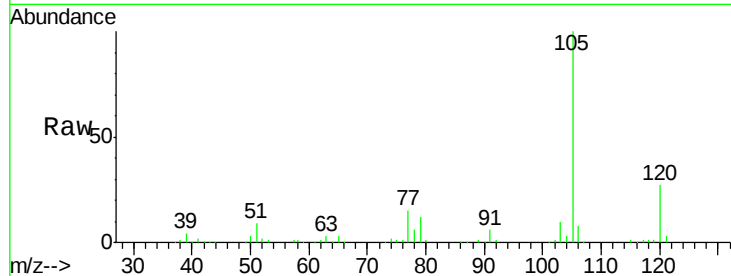
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9

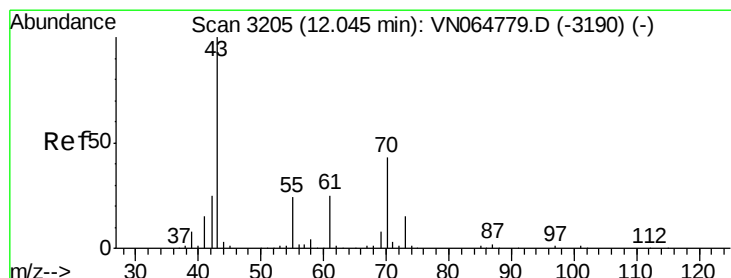
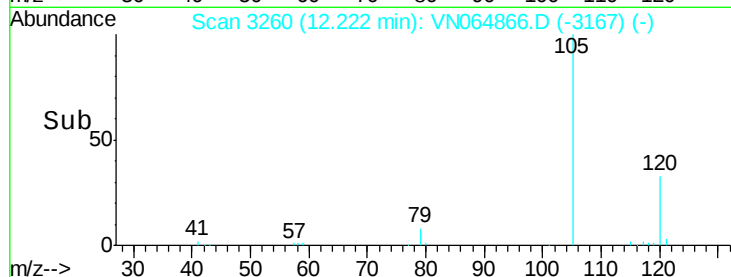
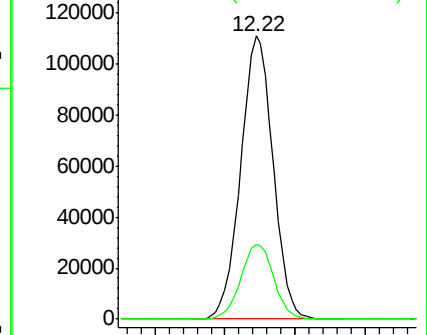
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.729 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion: 43 Resp: 64891

Ion Ratio Lower Upper

43 100

70 44.9 34.5 51.7

55 26.5 20.4 30.6

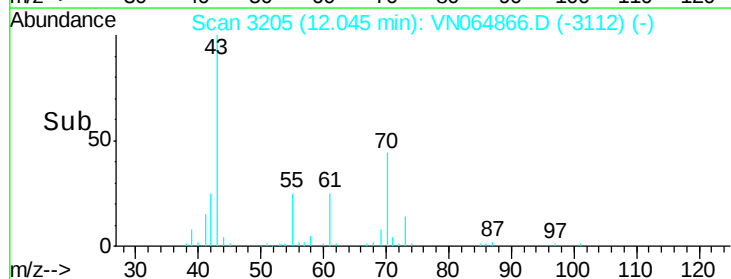
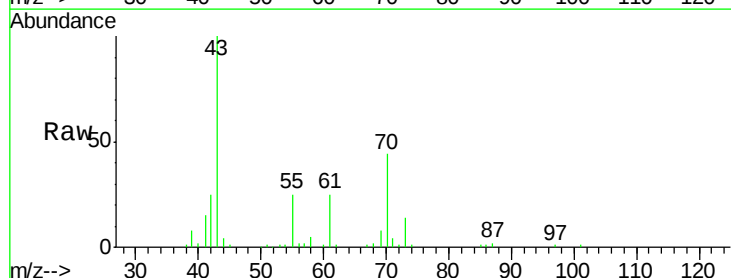
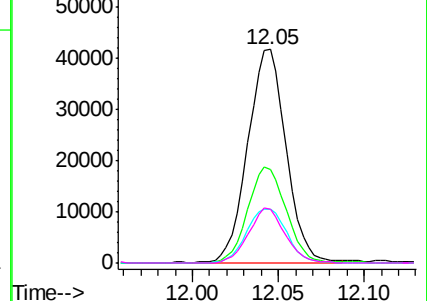
61 24.4 20.0 30.0

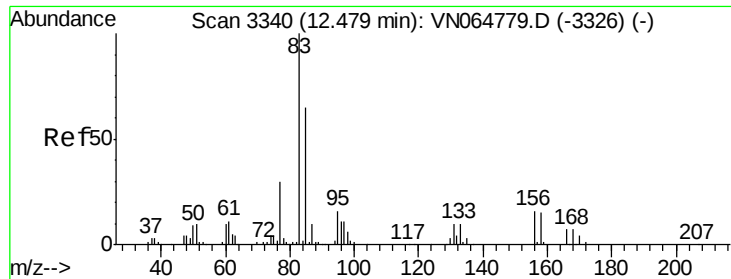
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.724 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

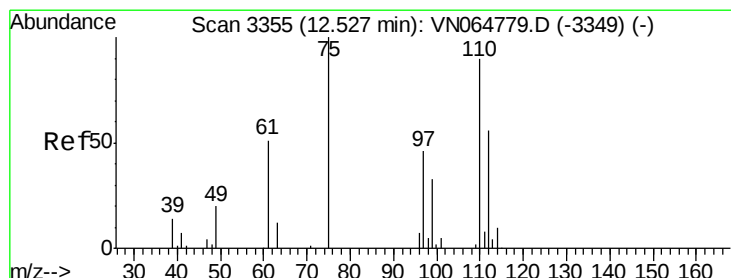
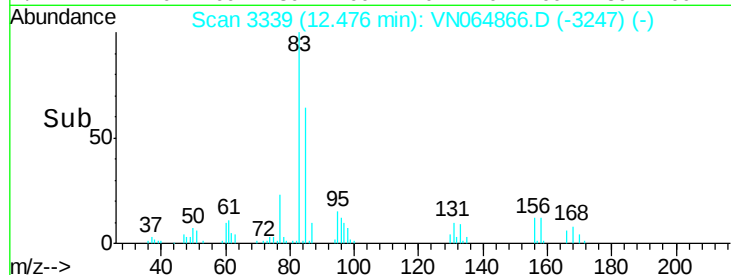
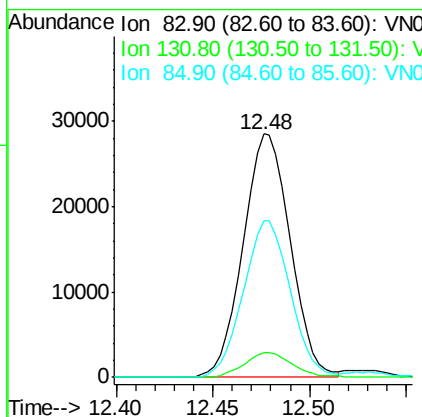
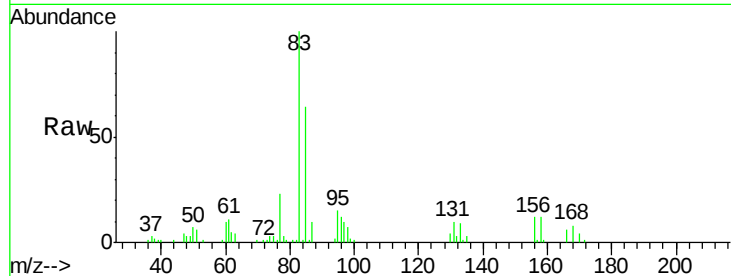
ClientSampleId :

VN1130MBSD01

Tot Ion:	83	Resp:	48315
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.1	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 15.940 ug/l m

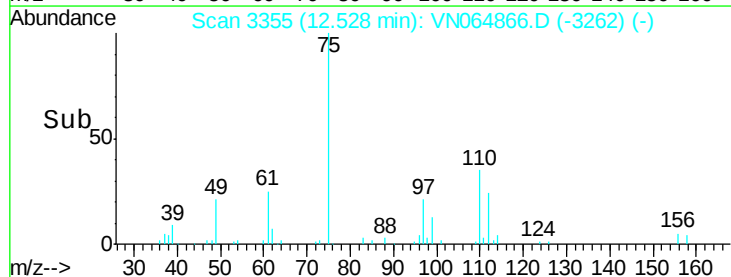
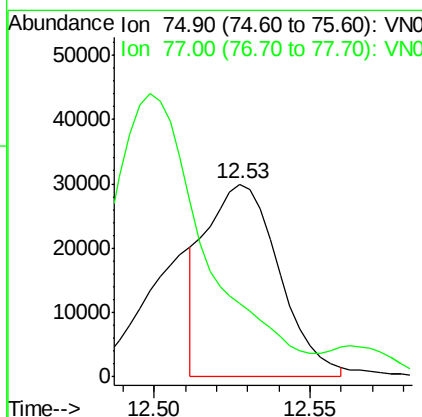
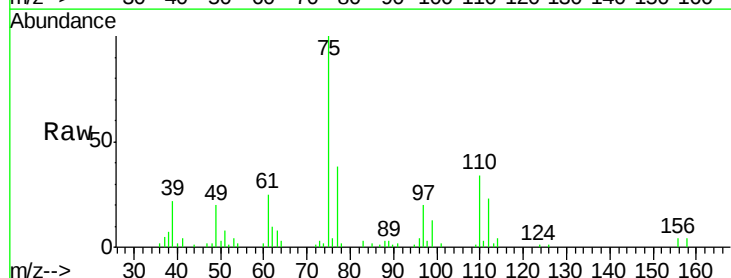
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion:	75	Resp:	48646
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.769 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

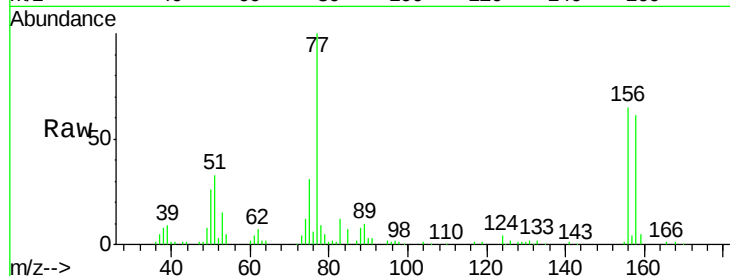
ClientSampleId :

VN1130MBSD01

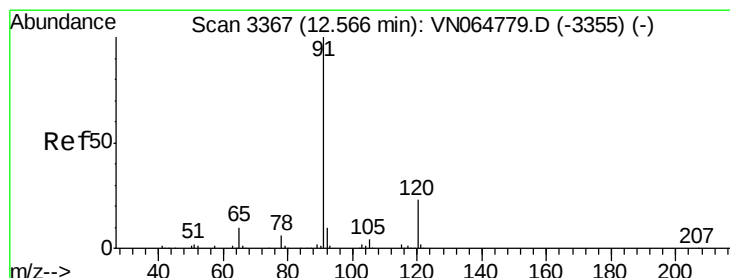
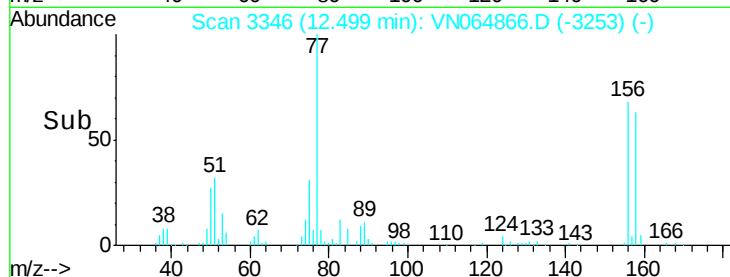
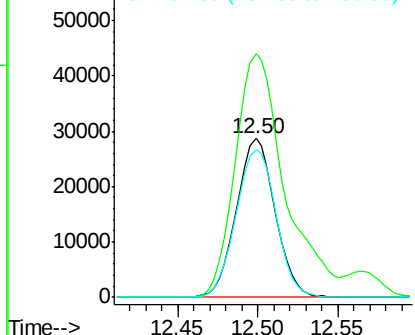
Tot Ion:	156	Resp:	47218
Ion	Ratio	Lower	Upper
156	100		
77	197.1	101.3	303.7
158	96.1	48.2	144.6

Manual Integrations
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12/1/2020 9:35:05 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.932 ug/l

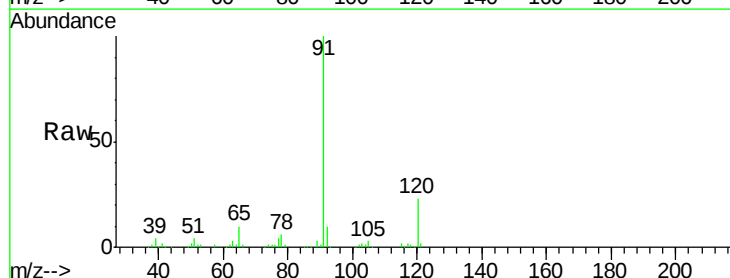
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

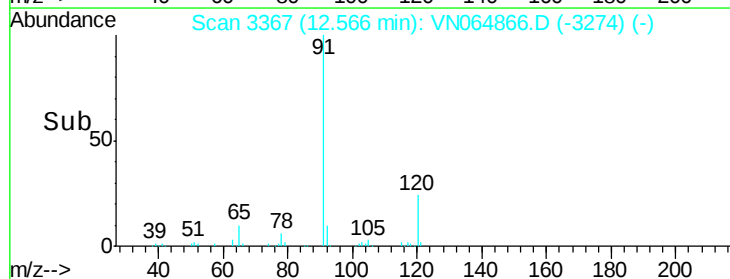
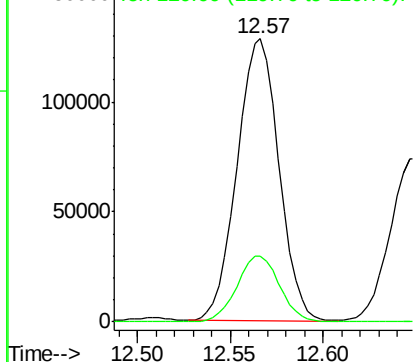
Lab File: VN064866.D

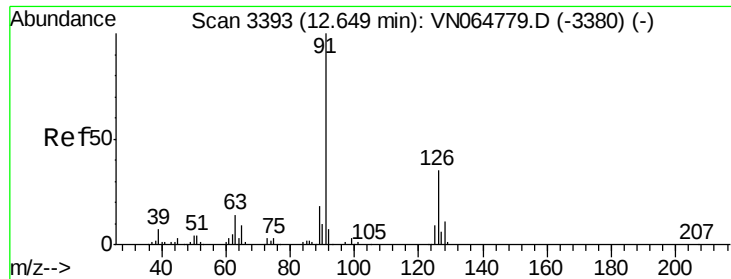
Acq: 30 Nov 2020 12:32

Tgt Ion:	91	Resp:	201346
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.497 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion: 91 Resp: 121442

Ion Ratio Lower Upper

91 100

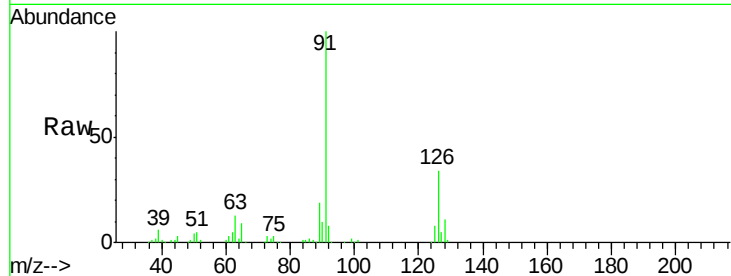
126 35.6 17.2 51.6

Manual Integrations

APPROVED

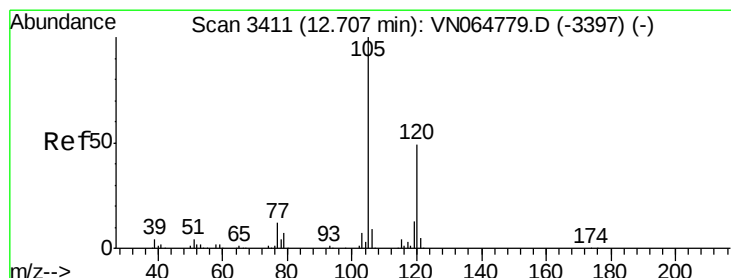
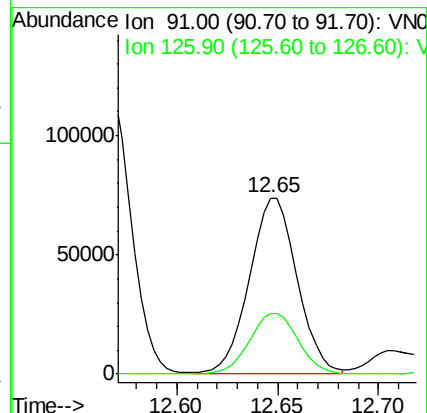
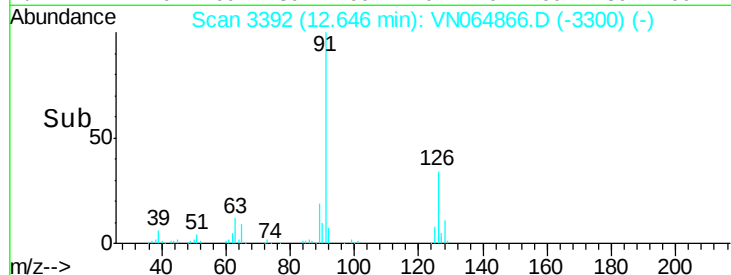
MMDadoda

12/1/2020 9:35:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VN064866.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064866.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.633 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064866.D

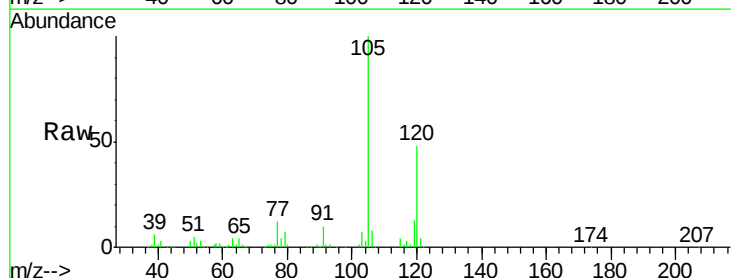
Acq: 30 Nov 2020 12:32

Tgt Ion: 105 Resp: 152659

Ion Ratio Lower Upper

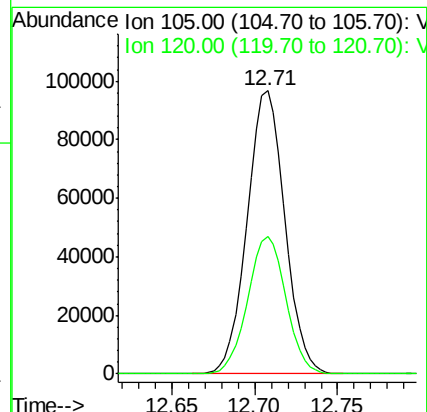
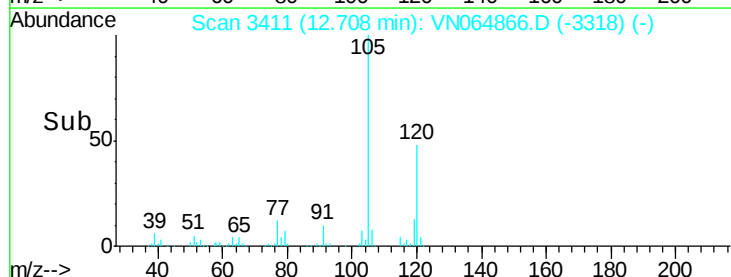
105 100

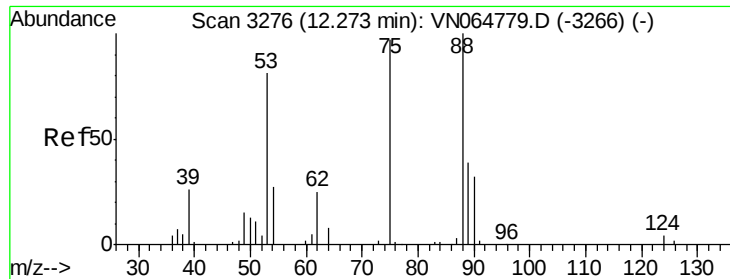
120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064866.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064866.D (-3411) (-)





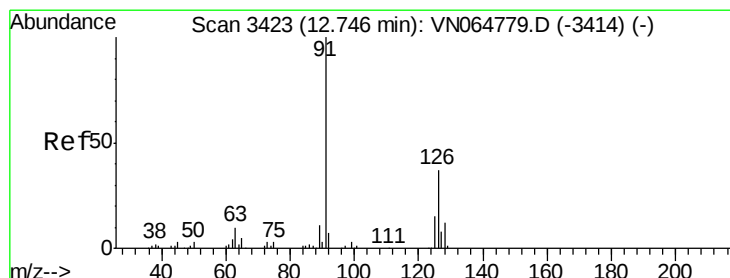
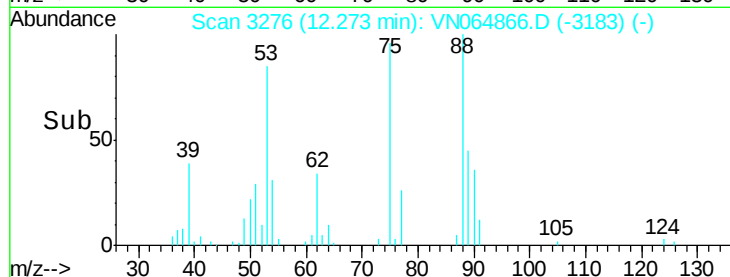
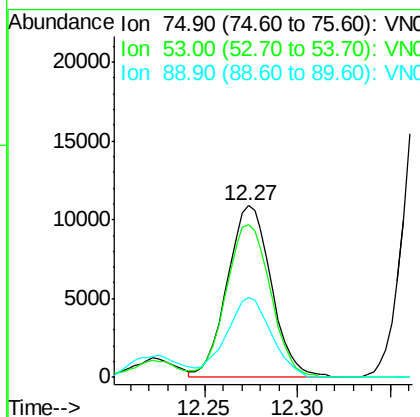
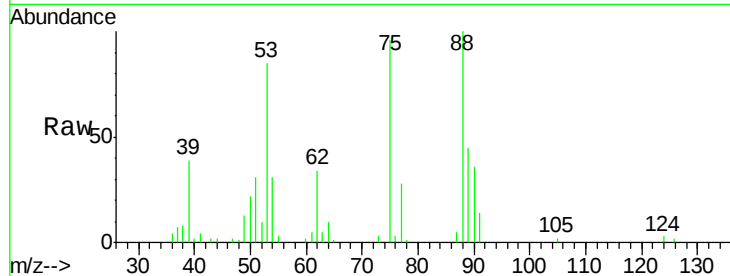
#81
trans-1,4-Dichloro-2-butene
Concen: 16.108 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	67.0	100.4
89	47.9	39.6	59.4

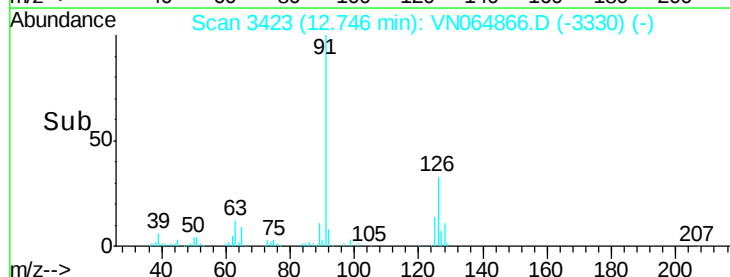
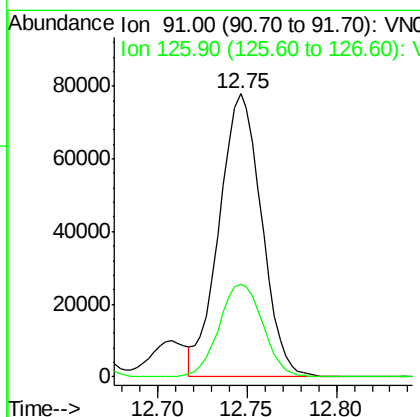
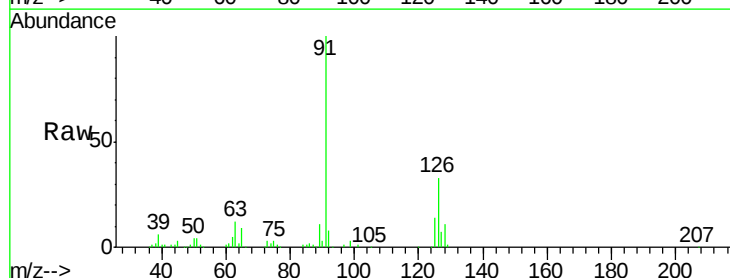
Manual Integrations
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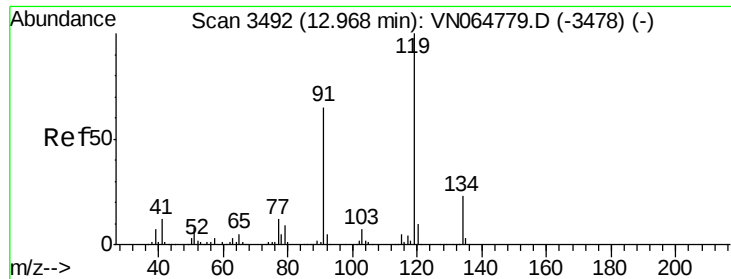
MMDadoda
12/1/2020 9:35:05 AM



#82
4-Chlorotoluene
Concen: 17.570 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





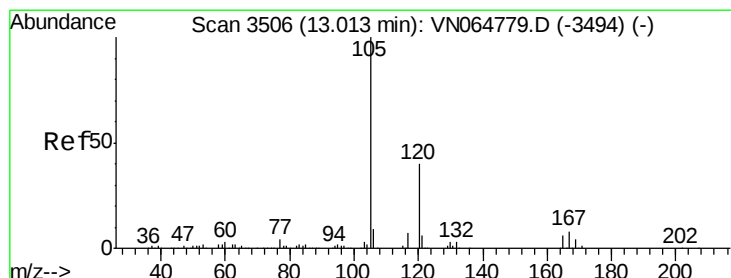
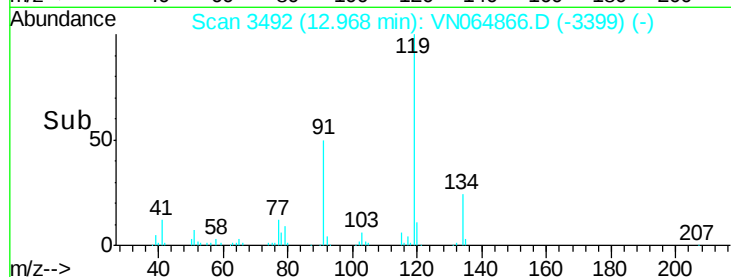
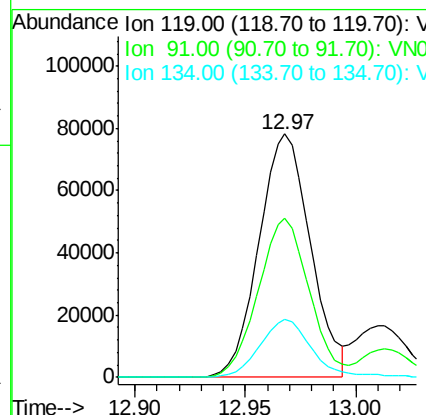
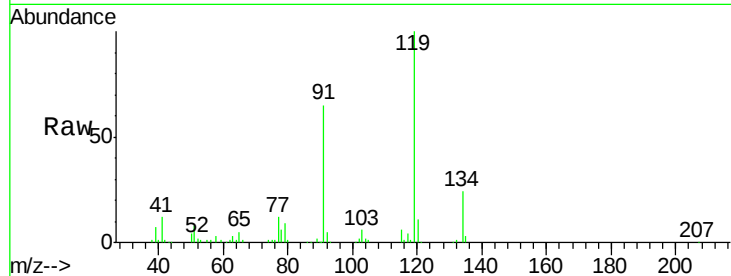
#83
 tert-Butylbenzene
 Concen: 18.479 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1130MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	126899		
91	65.0		32.3	96.8
134	24.1		12.6	37.6

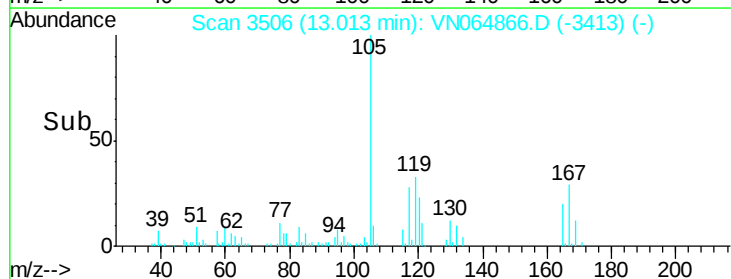
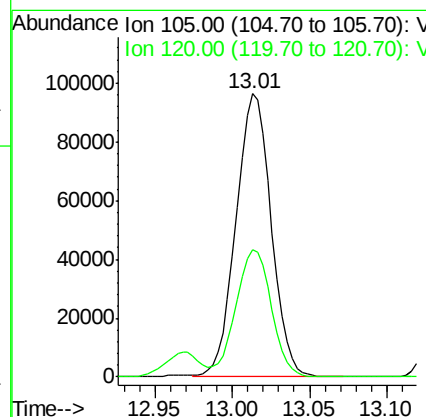
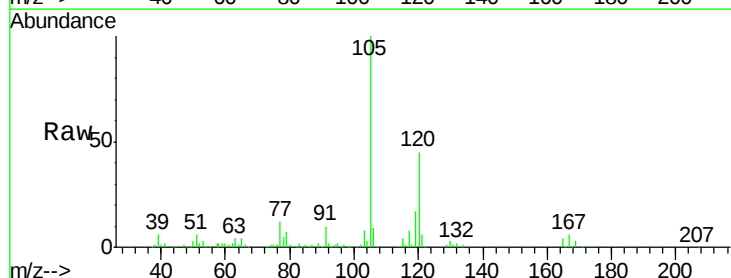
Manual Integrations
 APPROVED

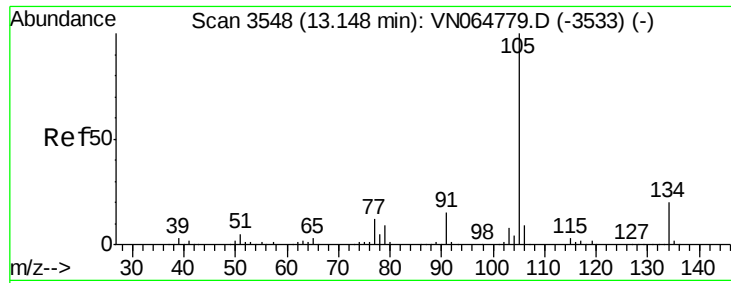
MMDadoda
 12/1/2020 9:35:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.370 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	152169		
120	45.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 18.298 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBSD01

Tot Ion:105 Resp: 166834

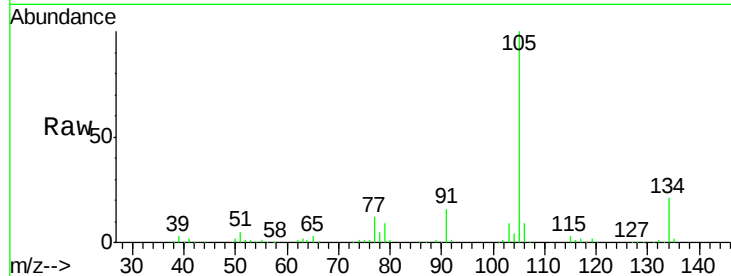
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

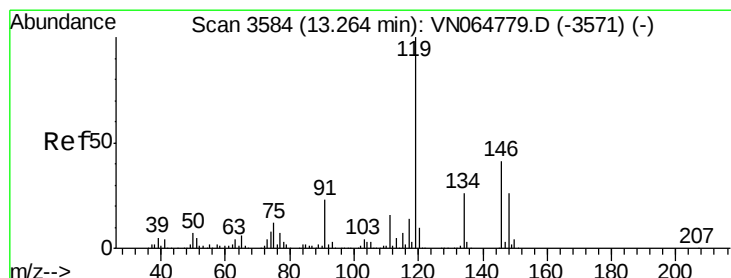
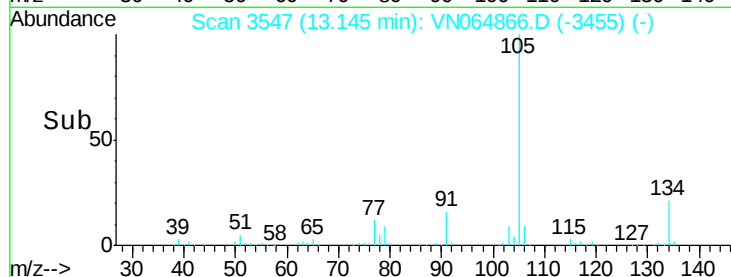
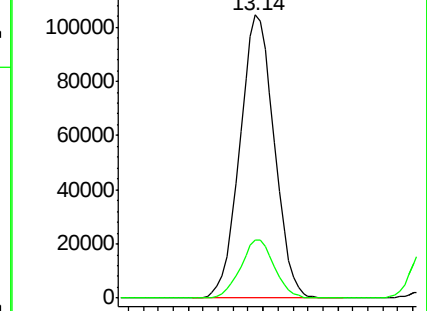
Manual Integrations
APPROVED

MMDadoda
12/1/2020 9:35:05 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.938 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

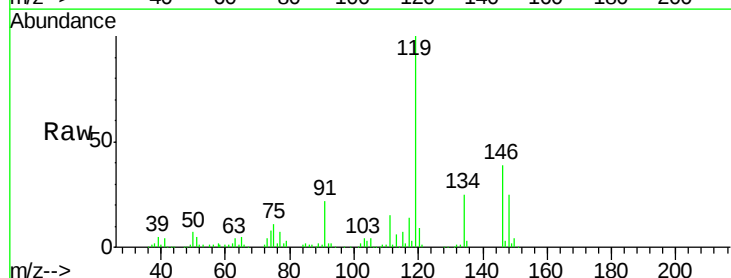
Tgt Ion:119 Resp: 157202

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

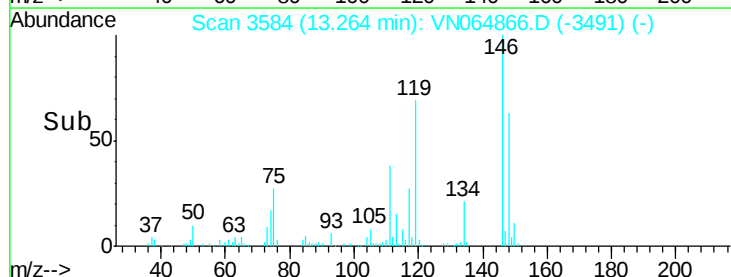
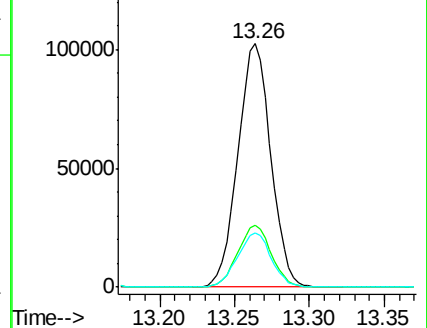
91 22.7 11.5 34.5

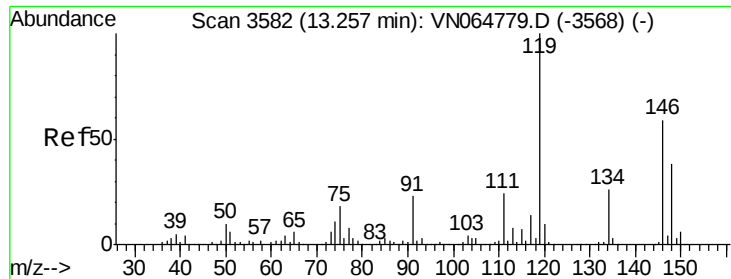


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





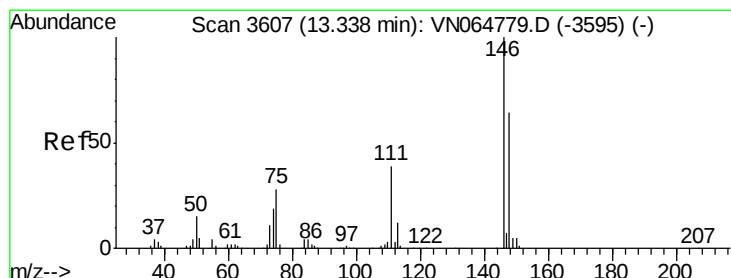
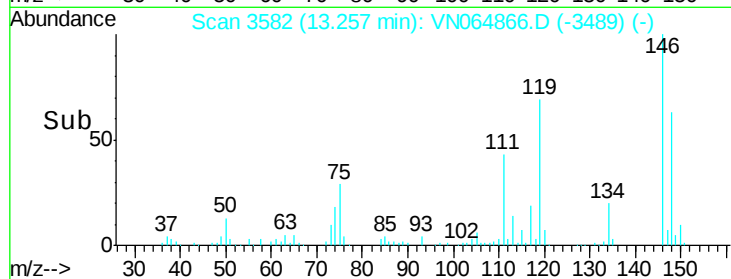
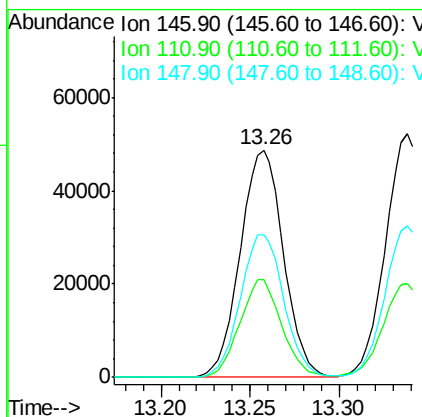
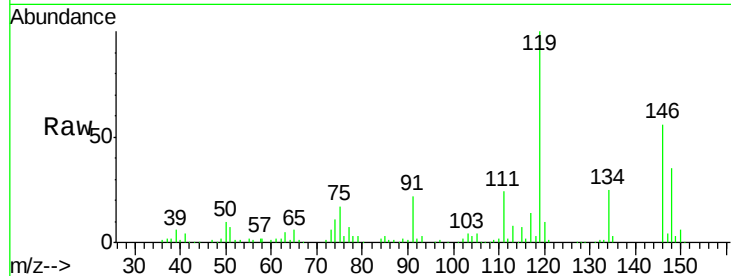
#87
 1,3-Dichlorobenzene
 Concen: 17.443 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.6	61.9
148	63.1	31.9	95.5

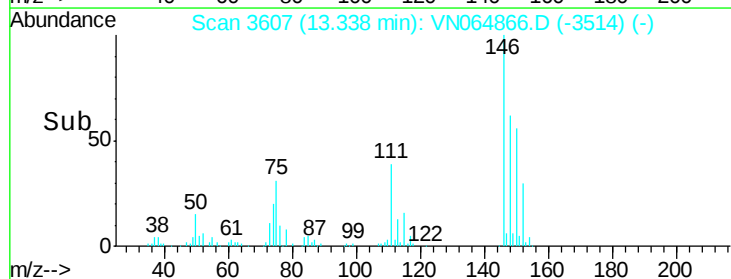
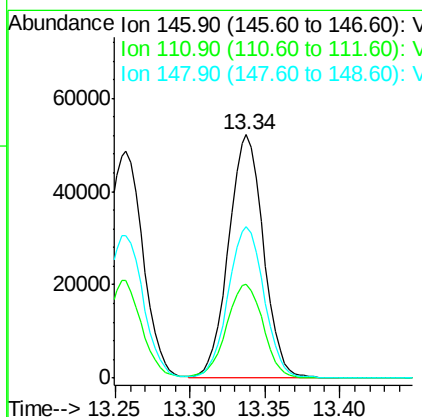
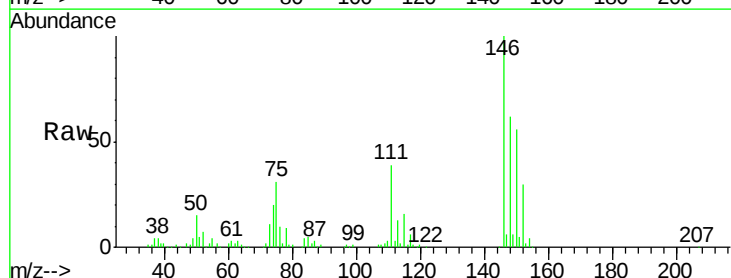
Manual Integrations
 APPROVED

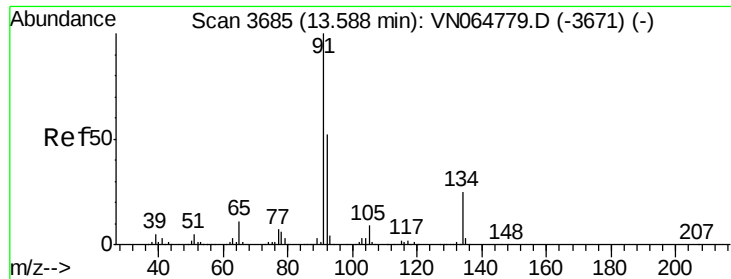
MMDadoda
 12/1/2020 9:35:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.997 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.3
148	64.0	31.9	95.5





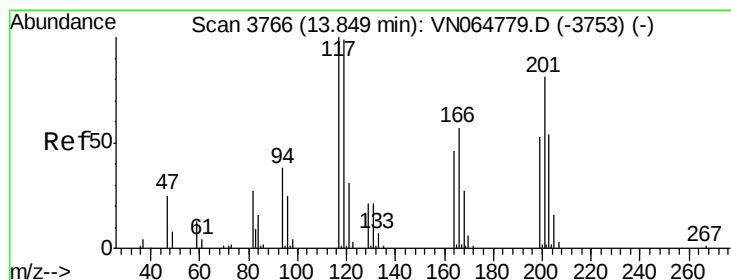
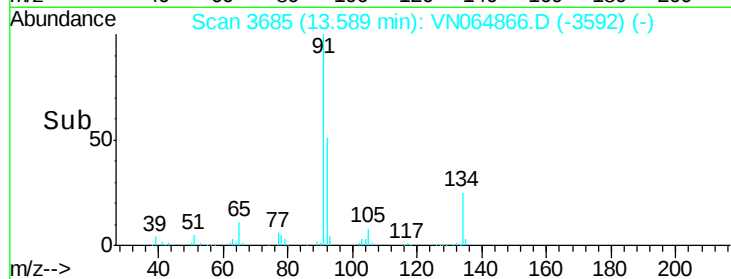
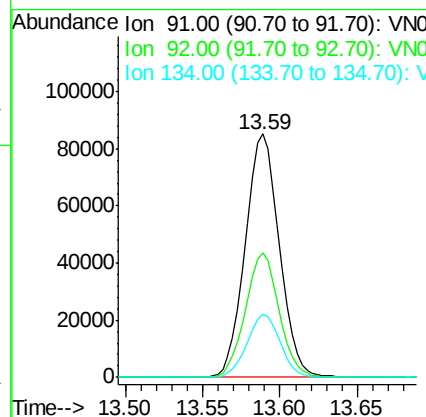
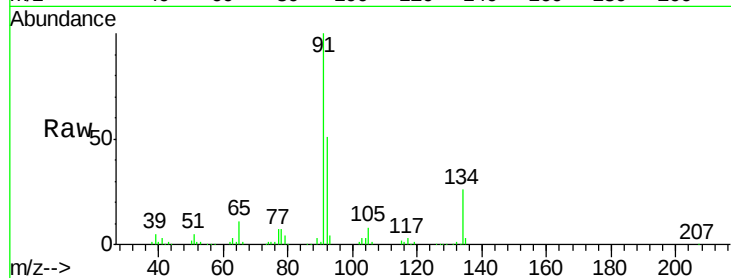
#89
n-Butylbenzene
Concen: 17.915 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.0	78.0
134	25.2	12.9	38.6

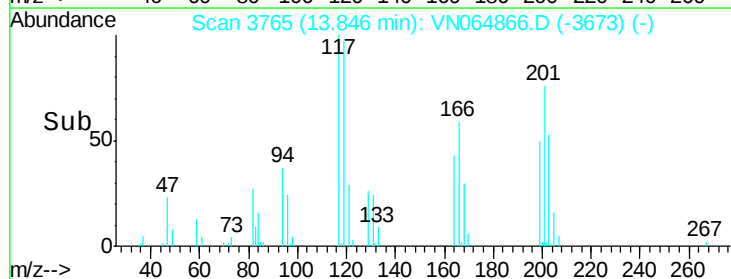
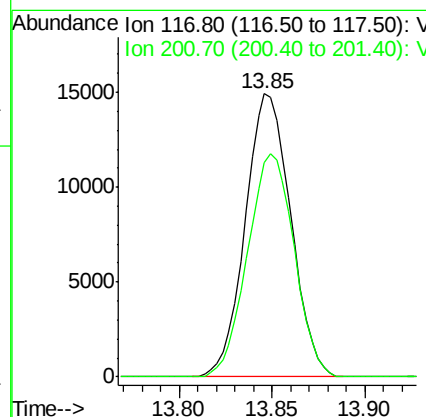
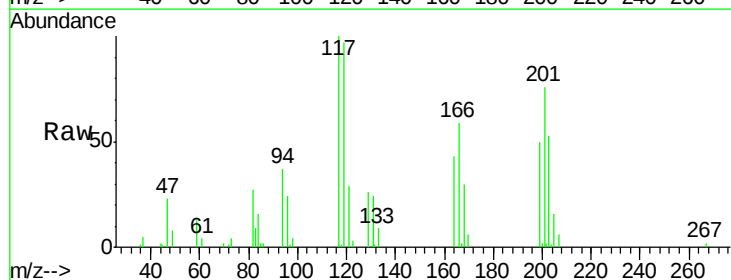
Manual Integrations
APPROVED

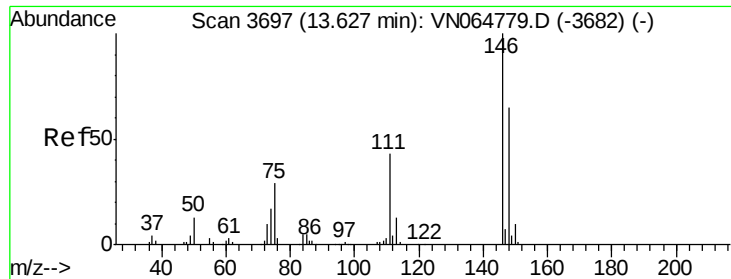
MMDadoda
12/1/2020 9:35:05 AM



#90
Hexachloroethane
Concen: 17.603 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064866.D
Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	40.1	120.3





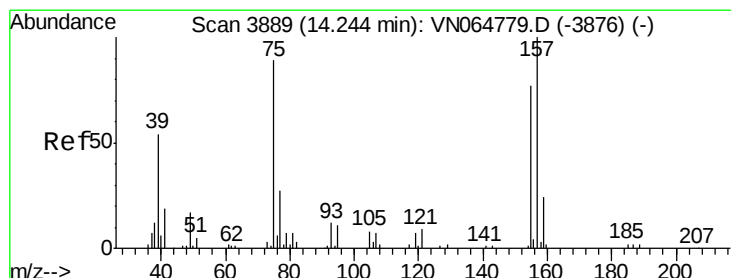
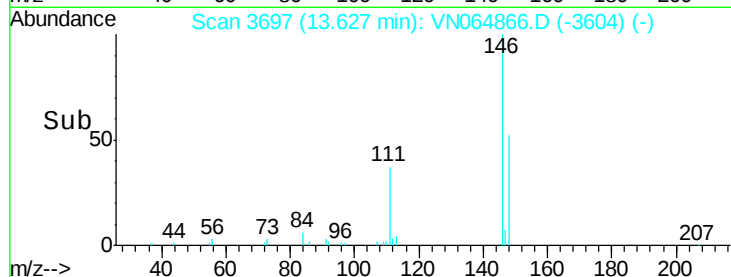
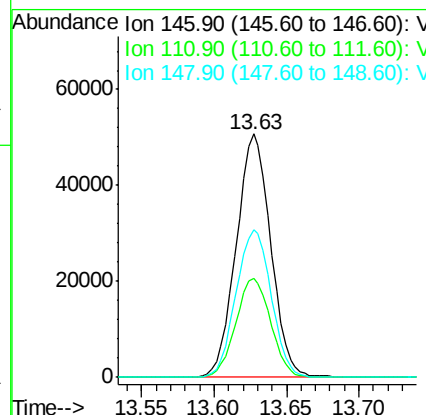
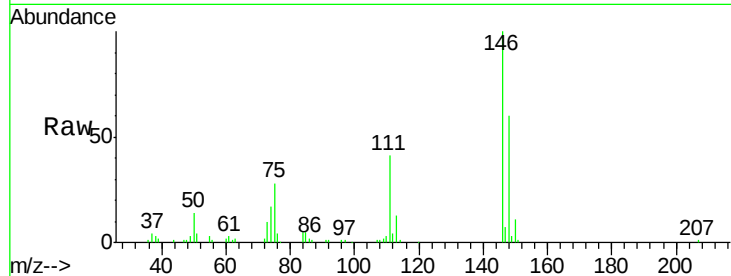
#91
 1,2-Dichlorobenzene
 Concen: 18.074 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.1
148	61.8	32.0	96.2

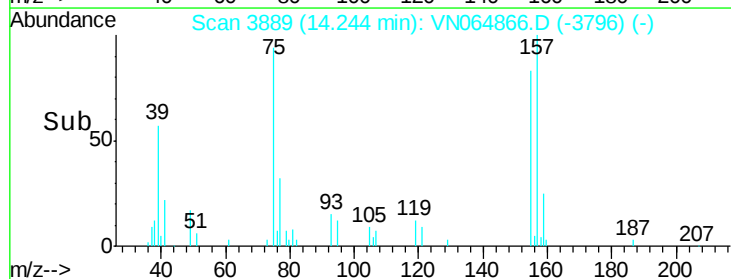
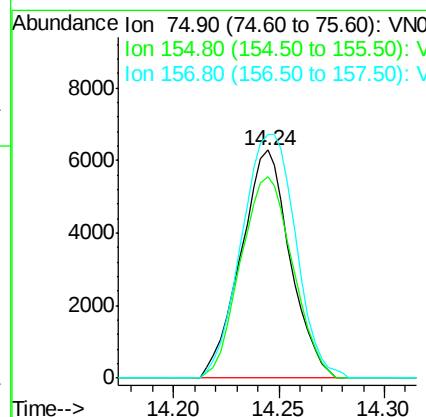
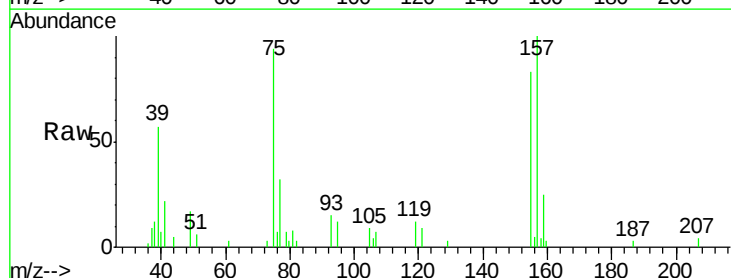
Manual Integrations
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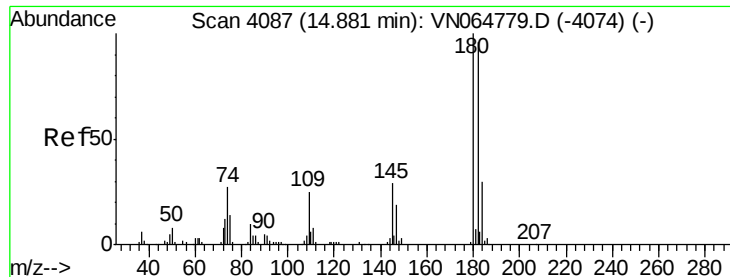
MMDadoda
 12/1/2020 9:35:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.722 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	42.8	128.3
157	117.7	56.4	169.1





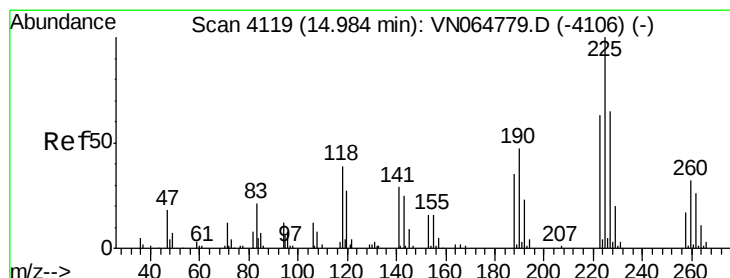
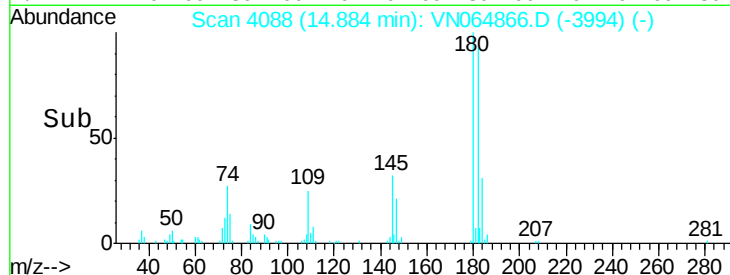
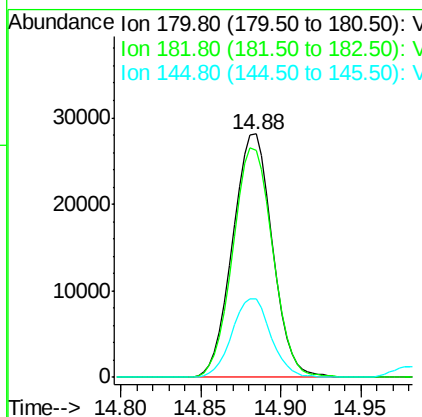
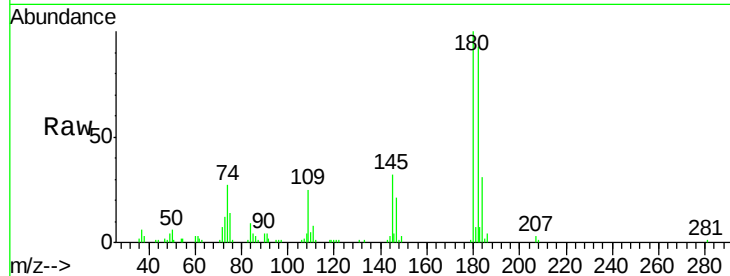
#93
 1,2,4-Trichlorobenzene
 Concen: 16.583 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47555		
182	94.7		47.6	142.9
145	31.7		15.3	45.8

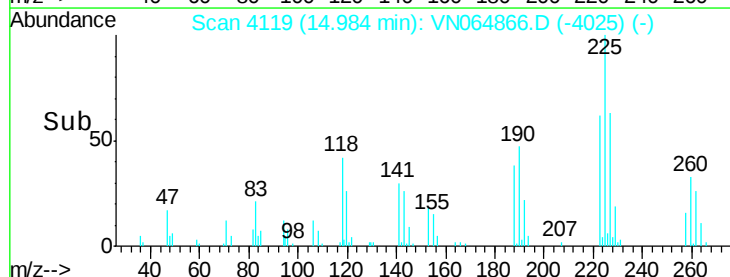
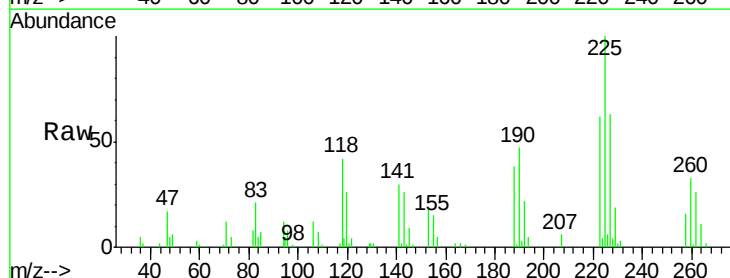
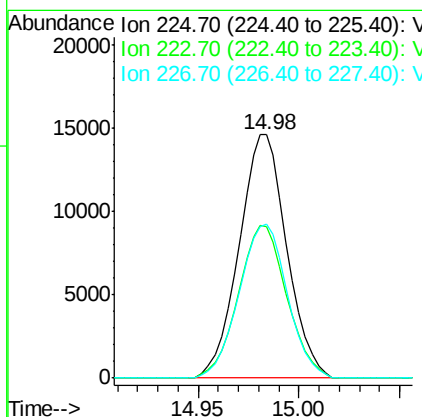
Manual Integrations
 APPROVED

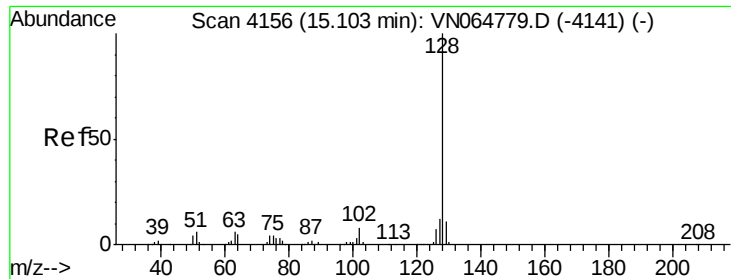
MMDadoda
 12/1/2020 9:35:05 AM



#94
 Hexachlorobutadiene
 Concen: 18.851 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064866.D
 Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24042		
223	63.8		31.0	93.0
227	64.3		32.0	96.0





#95

Naphthalene

Concen: 15.471 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Instrument :

MSVOA_N

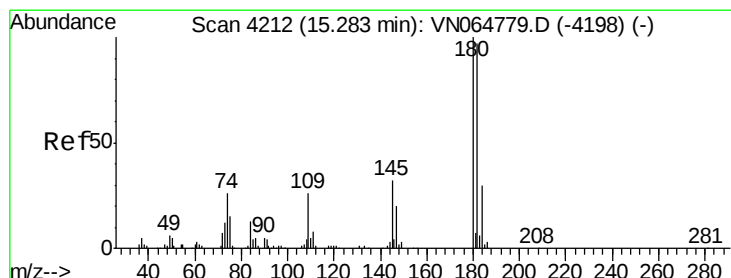
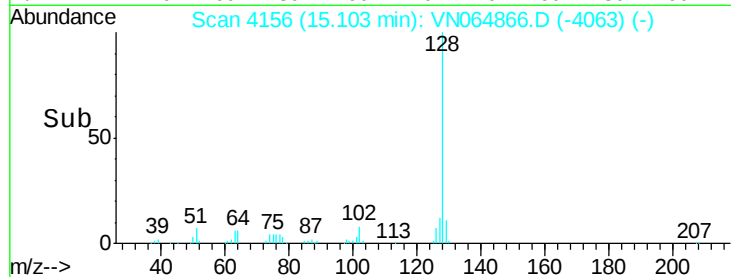
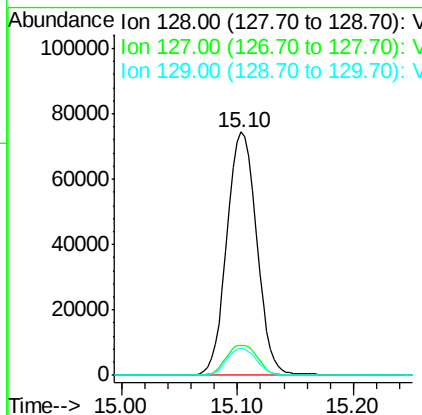
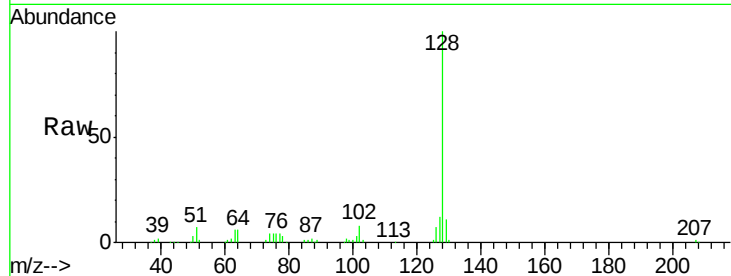
ClientSampleId :

VN1130MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/1/2020 9:35:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.001 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064866.D

Acq: 30 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	48.1	144.4
145	31.6	16.4	49.1

